



HABITAT CZM PROJECT
920 W. GIMOND
ANCHORAGE, ALASKA 99502

REVISED ANADROMOUS STREAM CATALOG OF
SOUTHEASTERN ALASKA

Appendix B - District 2
Volume III

Cholmondeley Sound Area Survey Data

By:
Paul Novak

1975

SH
11
.A728
no.23
App.B
v.3

DEPARTMENT OF FISH AND GAME
Building, Juneau, Alaska 99801

James W. Brooks
Commissioner

ADF&G TECHNICAL DATA REPORTS

This series of reports is designed to facilitate prompt reporting of data from studies conducted by the Alaska Department of Fish and Game, especially studies which may be of direct and immediate interest to scientists of other agencies.

The primary purpose of these reports is presentation of data. Description of programs and data collection methods is included only to the extent required for interpretation of the data. Analysis is generally limited to that necessary for clarification of data collection methods and interpretation of the basic data. No attempt is made in these reports to present analysis of the data relative to its ultimate or intended use.

Data presented in these reports is intended to be final, however, some revisions may occasionally be necessary. Minor revisions will be made via errata sheets. Major revisions will be made in the form of revised reports.

BK

HABITAT DIVISION — LIBRARY
ALASKA DEPARTMENT OF FISH & GAME
333 RASPBERRY ROAD
ANCHORAGE, ALASKA 99518 - 1599

REVISED ANADROMOUS STREAM CATALOG OF
SOUTHEASTERN ALASKA

By

Paul Novak
Alaska Department of Fish and Game,
Division of Commercial Fisheries, 1975
Ketchikan, ~~Alaska~~

1975

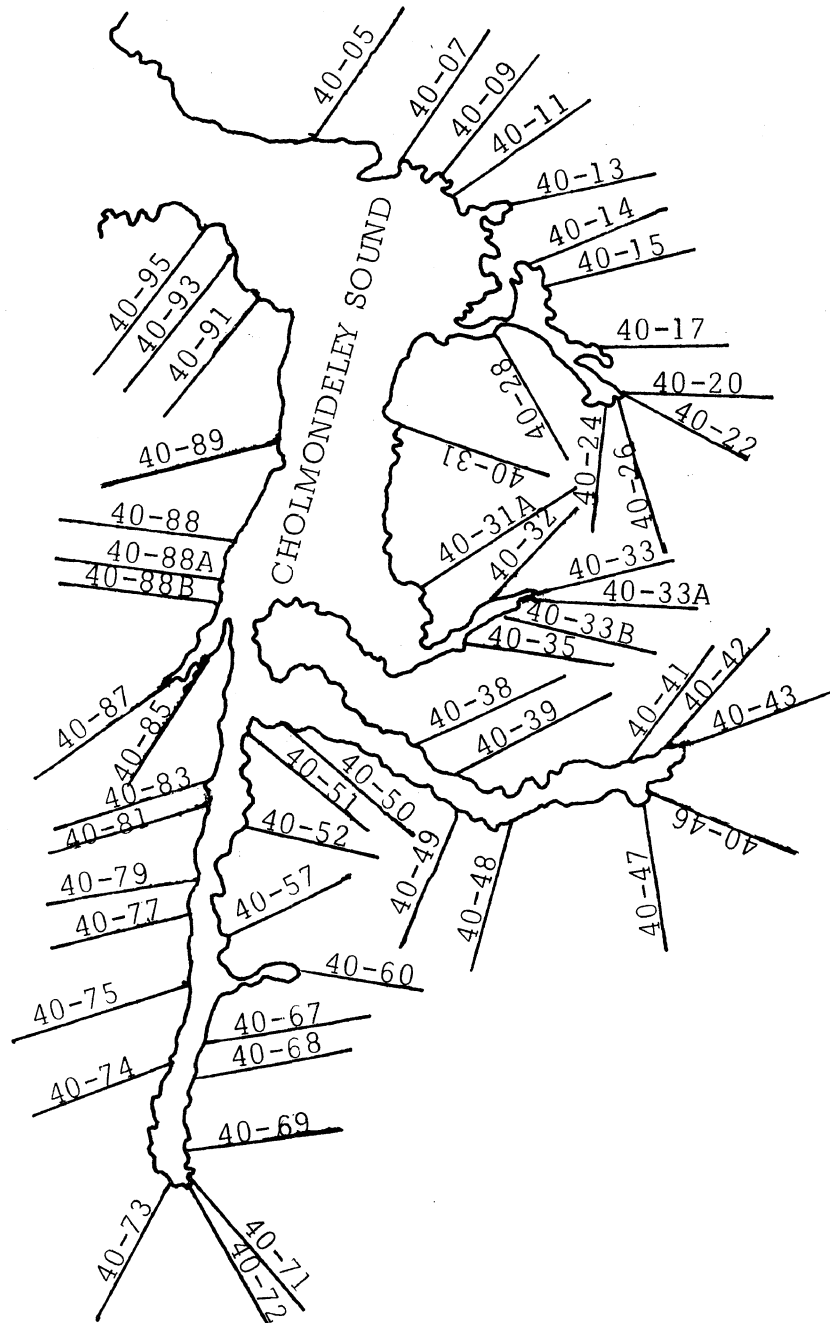
Appendix B - District 2

(Volume III)

Cholmondeley Sound Area Survey Data

1. SE. Alaska
2. Kodiak
3. Kodiak

Statistical Area 102
Cholmondeley Sound - District 2



SUMMARY
STREAM EVALUATIONS

District 2

Cholmondeley Sound

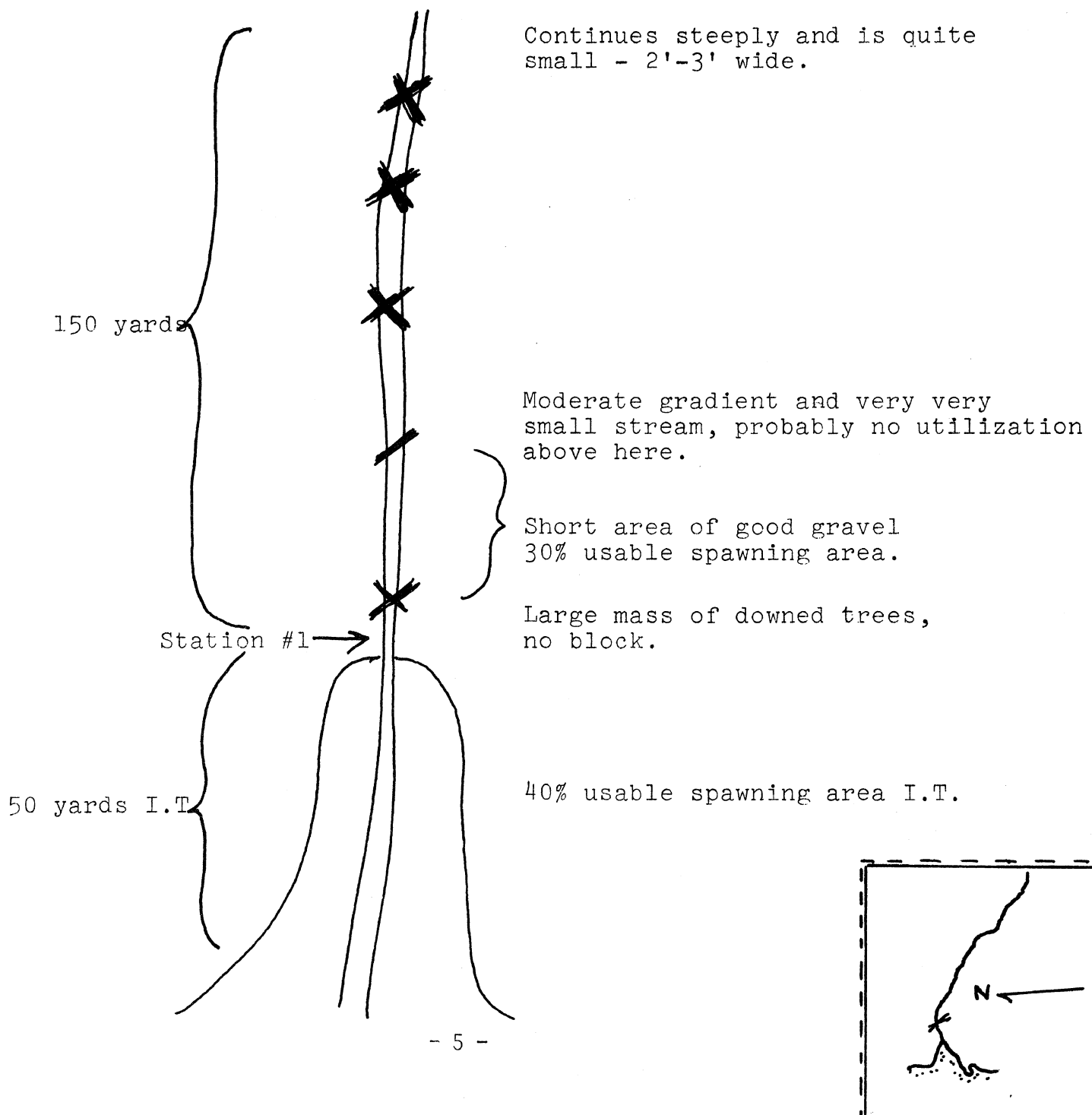
Name & Number	Average width	Length	Area (Ft ²)	M ²	Spawning area (m ²)	Available area (m ²)
102-40-05	9'	300'	2,700	250.8	40%	100
102-40-07	12'	675'	8,100	752.5	60%	452
102-40-09	18'	600'	10,800	1003.3	65%	652
102-40-11	23'	6000'	138,000	12820.0	60%	7,692
102-40-13	21'	630'	13,230	1229.1	50%	615
(#200)						
102-40-14	11'	180'	9,980	183.9	20%	37
102-40-15	23'	4000'	92,000	8546.8	60%	5,128
Kitkun						
102-40-17	24'	4500'	108,000	10033.2	60%	6,020
Kitkun						
102-40-20	22'	200'	4,400	408.8	70%	286
Kitkun						
102-40-22	15'	200'	3,000	278.7	75%	209
Kitkun						
102-40-24	11'	600'	6,600	613.1	70%	429
Head Kitkun Bay						
102-40-26	5'	200'	1,000	92.9	90%	84
Brennan Bay						
102-40-28	30'	750'	22,500	2090.3	10%	209
102-40-31	12'	1900'	22,800	2118.1	60%	1,271
Dora						
102-40-32	16'	200'	3,200	297.3	50%	149

Name & Number	Average width	Length	Area (Ft ²)	M ²	Spawning area (m ²)	Available area (m ²)
Dora Bay Lake 102-40-33	22'	1150'	25,300	2350.4	60%	1,410
Dora 102-40-33A	4'	75'	300	27.8	60%	17
Dora 102-40-35	25'	220'	5,500	510.9	60%	306
102-40-41	6'	20'	120	11.1	60%	6
102-40-42	5'	150'	750	69.7	60%	42
Disappearance Cr. 102-40-43	54'	2500'	135,000	12541.5	65%	8,152
So. Arm Chol. (#206) 102-40-46	8'	375'	3,000	278.7	75%	209
102-40-47	18'	1500'	27,000	2508.3	70%	1,756
102-40-49	16'	675'	10,800	1003.0	70%	702
Cannery 102-40-52	28'	1600'	44,800	4161.9	70%	2,913
Lagoon Creek 102-40-60	39'	13500'	526,500	48911.9	75%	36,683
102-40-67	15'	450'	6,750	627.1	20%	125
102-40-68	10'	100'	1,000	92.9	20%	18
102-40-69	9'	675'	6,075	564.0	60%	338
W. Arm Chol. So. 102-40-71	34'	2640'	89,760	8338.7	60%	5,003
W. Arm Chol. No. 102-40-73	14.5'	3400'	49,300	4579.9	60%	2,748
102-40-75	10'	750'	7,500	696.7	75%	523
102-40-77	6'	150'	900	83.6	50%	42
102-40-79	9'	180'	1,620	150.5	60%	90

Name & Number	Average width	Length	Area (Ft ²)	M ²	Spawning area (m ²)	Available area (m ²)
102-40-81	6'	150'	900	83.6	60%	50
102-40-83	8'	600'	4,800	445.9	50%	223
Sunny Creek						
102-40-87	57.5'	4000'	230,000	21367.0	80%	17,094
Sunny Creek (above the falls)	33'	7000'	231,000	21459.9	70%	15,022
102-40-88	14'	500'	7,000	650.3	60%	390
102-40-88A	3'	20'	60	5.5	60%	3
102-40-88B	35'	300'	10,500	975.0	60%	585
102-40-91	18'	1250'	22,500	2090.0	60%	1,254
CHOLMONDELEY SOUND TOTAL						119,037

102-40-05
Cholmondeley Sound
10-6-73
Downey, SMith

Very small stream with any utilization being restricted to the I.T. area or a small portion of the stream 50 yards above I.T. Very little potential on this stream.



Name _____ Catalog No. 102-40-05
Latitude N 55° 14' 00" WR No. _____
Longitude W 132° 04' 10" K No. _____
Geodetic Map No. Craig A-1 Work Area _____
Location Cholmondéley Sound Watershed Length Ketchikan
Drainage Area of Watershed _____
Water Supply Type Precipitation - runoff, and possibly springs

Trails & Survey Routes Small stream with little potential - walk up the stream.

Aerial Survey Notes Small stream with overstory making aerial observation impossible.

Anchorage Anchor in Lancaster Cove.

Tide Stage When Surveyed 1/2 tide and ebbing.

FISHERY RESOURCES

Commercial Fisheries Unknown

Escapement No escapement recorded

Available spawning area - 100 M²

Species Composition Unknown

Timing Unknown

Schooling areas Off the mouth

Shellfish Potential Very little or none - rocky beach

Sport Fisheries None

Land Use at Present None

History of Land Use None

Rehabilitation Potential None. Very Small stream with very limited access and utilization potential.

Soils Generally stable - but this stream was only walked approximately 150 yards above the tree line - small stream.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles-	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	not much
	Estimate depth out from beach	"
	Eel grass present on what percent of flats	"

Observers: Dwney, Smith
Date: 1C-6-73

Temperature:

Weather: Overcast - showers

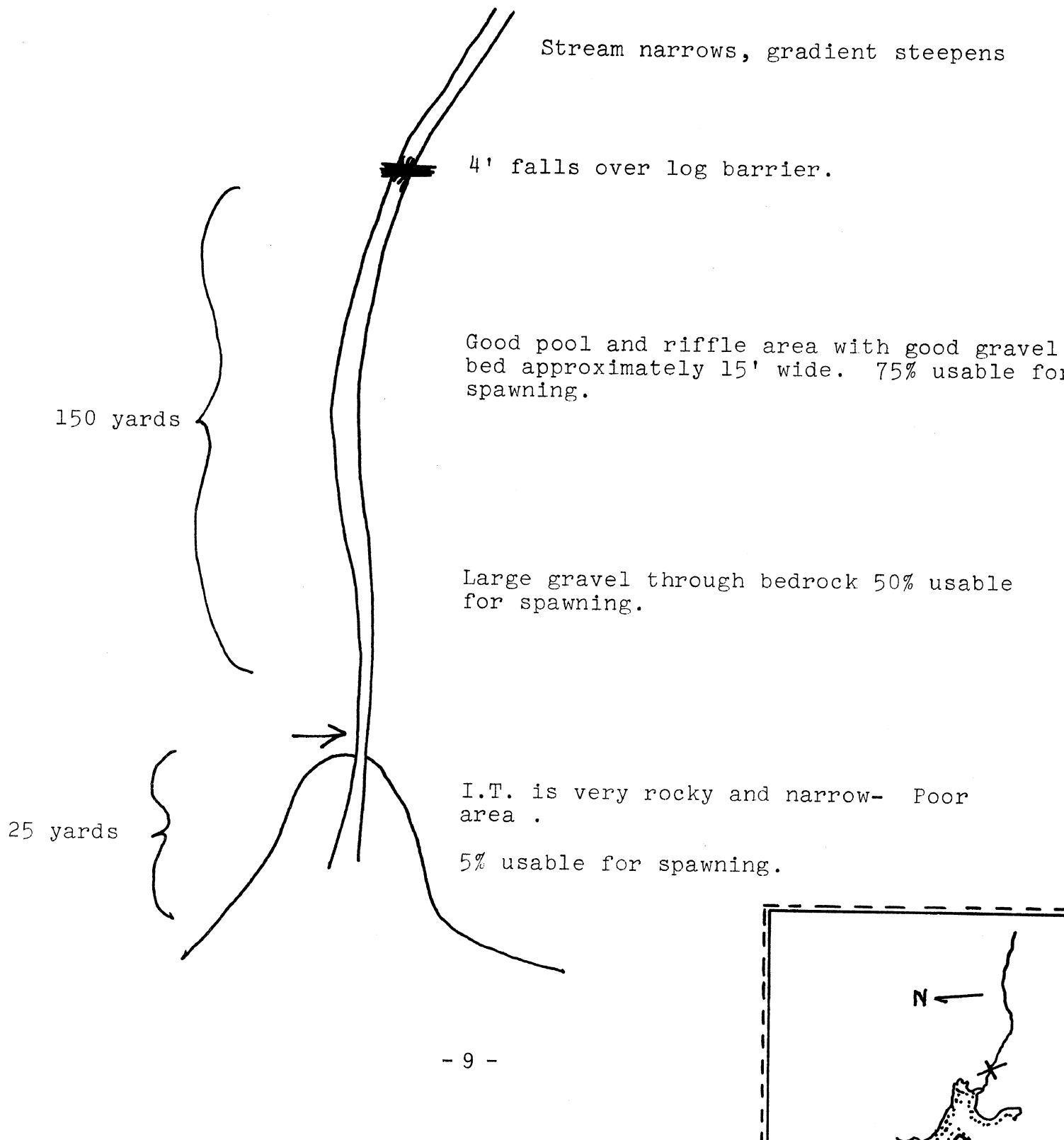
General Remarks (rehab., land use, barriers, log jams, etc.):

PEAK ESCAPEMENT RECORD

NAME: Lancaster Cove, Head

STREAM CATALOG NUMBER: 102-40-05

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 7, 1930				25,000 fish in stream (G)
Sept. 30, 1948	1,500	1,400		Excellent. 5,000 fish off mouth(G)
Oct. 7, 1950	80	105		(G)
Sept. 9, 1952				None present in stream. 8 chum at mouth (G)
Sept. 21, 1953				Stream flooding(G)
Sept. 4, 1956				10,000 pink off mouth (G)
Sept. 18, 1957		400		500 chum off mouth (G)



Name _____ Catalog No. 102-40-07
Latitude N 55° 12' 53" WR No. _____
Longitude W 132° 04' 48" K No. 141
Geodetic Map No. Graig A-1 Work Area Ketchikan
Location Cholmondeley Sound Watershed Length _____
Drainage Area of Watershed _____
Water Supply Type Precipitation - runoff and probably springs.

Trails & Survey Routes No trails, walk in or along stream.

Aerial Survey Notes Small stream with overstory making observation impossible.

Anchorage Anchor in Lancaster Cove

Tide Stage When Surveyed 1/2 tide and ebbing.

FISHERY RESOURCES

Commercial Fisheries pink and chum

Escapement 1,500 pink and 1,400 chum on 9-30-48: 400 chum on 9-18-57

Species Composition 50% pink - 50% chum

Available spawning area - 452 M²

Timing Late

Schooling areas A narrow gut of moderate depth near the low tide mark provides an excellent schooling area.

Shellfish Potential None - not much beach area and is rocky.

Sport Fisheries Unknown - probably none

Land Use at Present Some of this area is due to be logged with one proposed road crossing 1/2 mile upstream.

History of Land Use None

Rehabilitation Potential Didn't appear to have too much potential - so no rehab. recommendations here -- fairly small stream.

Soils _____

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles-	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	almost 0
	Estimate depth out from beach	"
	Eel grass present on what percent of flats	"

Observers: Downey, Smith
Date: 10-6-73

Name: Lancaster Cove

Temperature:

Number: 102-40-07

Weather: Overcast - showers

[illegible]

General Remarks (rehab., land use, barriers, log jams, etc.):

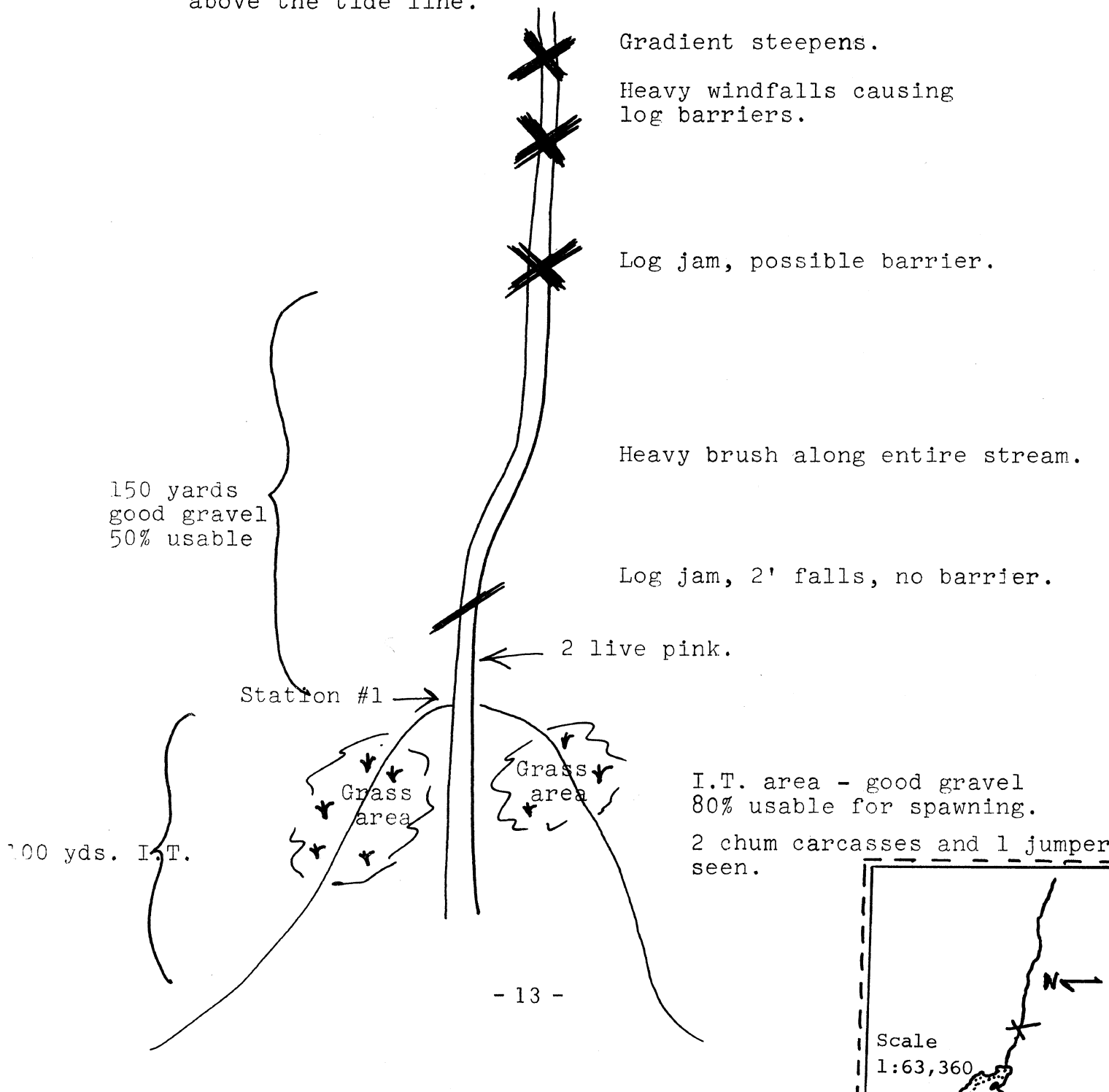
PEAK ESCAPEMENT RECORD

NAME: Lancaster Coyo

STREAM CATALOG NUMBER: 102-40-07

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 26, 1966	100	300		40 chum at mouth. 300 carcasses (F)
Sept. 20, 1967	few	750	20 coho	200 chum at mouth. Vis. good (F)
Aug. 19, 1973	N.O.	N.O.		Vis. good (H)

Medium size stream 18' wide at mouth. I.T. area is 100 yards long with good gravel. Above I.T. stream narrows to about 8' wide and gradient steepens. The stream bed above I.T. is good gravel but heavy brush and windfall cause blocks approximately 100 yards above the tide line.



Name _____ Catalog No. 102-40-09
Latitude N 55° 12' 20" WR No. _____
Longitude W 132° 04' 59" K No. _____
Geodetic Map No. Craig A-1 Work Area Ketchikan
Location Cholmondeley Sound Watershed Length _____
Drainage Area of Watershed _____
Water Supply Type Precipitation - runoff, probably springs

Trails & Survey Routes Heavy brush along entire stream -- walk in the stream.

Aerial Survey Notes Small stream with overstory making observation impossible.

Anchorage Anchor in Lancaster Cove.

Tide Stage When Surveyed 3/4 out and ebbing.

FISHERY RESOURCES

Commercial Fisheries pink and chum

Escapement 1,000 pink 8-27-71: 2 pink & 2 chum carcasses on 10-6-73:

Available spawning area - 652 M²

Species Composition 99% pinks and 1% chum

Timing Late

Schooling areas Off the mouth

Shellfish Potential Very little but would have a small amount of clams - small area.

Sport Fisheries None

Land Use at Present Some of this area may be involved in a recent timber sale in this area.

History of Land Use None

Rehabilitation Potential None. Small stream with very limited fishery potential.

Soils Generally stable in the lower stream - the stream was only walked approx. 200 yards above the tree line.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles-	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	small flats
	Estimate depth out from beach	-
	Eel grass present on what percent of flats	-

Observers: Downey, Smith
Date: 10-6-73

Temperature:

Weather: ~~Overcast showers~~

eral Remarks (rehab., land use, barriers, log jams, etc.):

PEAK ESCAPEMENT RECORD

NAME: Lancaster Cove

STREAM CATALOG NUMBER: 102-40-09

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Aug. 27, 1971				1,000 fish intertidally. Vis. good (A)
Sept. 28, 1972				2 dead pink. Vis. good (F)
Sept. 13, 1973	-----2,000-----			(H)
Sept. 5, 1974	Good showing of pinks and chums			Vis. poor (A)

102-40-11
Cholmondeley Sound
Downey - Smith
10-6-73

1/4 mile - stopped here

30% usable spawning area to here from Station #4.

1 pink carcass

A very nice smaller stream with the best gravel and spawning area occurring in the first 1/2 mile, especially in the open stream areas. Stream appears to be well utilized and looks to be one of the better small streams in Cholmondeley Sound.

100 yards of open area - gravel good again. Couple of carcasses to here.

Open again - good gravel: 75 yards

Short stretch of good gravel again.

log jam area

All open. Easy walking and very good riffles. Excellent gravel 2" - 4".

All fish advanced.

Very good gravel. Open and nice looking stream.

Tree line.

I.T. area is not much, being composed of trees and debris from logging.

At the forks the stream narrows quite a bit with less water in each fork. The gradient increases with both forks getting smaller with almost no further potential.

Gravel generally not too good with a little more bedrock and large boulders. Stream also narrower here. 2 carcasses. Also brushier with more down timber.

40% usable spawning area to this point from Station #2.

Gravel poor here - large boulder type.

1 live chum
1 D.V. trout
couple carcasses

Stream enters canyon and narrows (bedrock and large boulders).

Braided and brushy area.

Gravel quality decreases from this point upward - large boulders.

90% usable spawning area to this point.

16 live chum
6 live pink
many dead

Cascade and log jam area: no barrier.

259 live chum
8 live pink
Several hundred carcasses

50 yards to this point 14 live chum
10% usable spawning area. 18 dead chum

Name _____ Catalog No. 102-40-11
Latitude N 55° 12' 10" WR No. _____
Longitude W 132° 05' 35" K No. 142
Geodetic Map No. Craig A-1 Work Area Ketchikan
Location Cholmondeley Sound Watershed Length _____
Drainage Area of Watershed _____
Water Supply Type Precipitation - runoff, probably springs

Trails & Survey Routes No trails - generally easy stream to walk - walk up the stream.

Aerial Survey Notes Would be difficult to survey from the air for the most part - could be done with a helicopter.

Anchorage Anchor in Lancaster Cove.

Tide Stage When Surveyed High - just starting to ebb.

FISHERY RESOURCES

Commercial Fisheries pink and chum

Escapement 450 pink and 175 chum 9-28-73: 14 pink and 308 chum on 10-6-73

Available spawning area - 7,692 M²

Species Composition 50% pink and 50% chum

Timing Late

Schooling areas Off the mouth

Shellfish Potential None - very rocky

Sport Fisheries Saw one 10" Dolly Varden - poor potential.

Land Use at Present Some of this area may be involved in a recent timber sale in this area.

History of Land Use None

Rehabilitation Potential None at the present - However, this stream should be logged carefully as it is one of the few in this area with potential.

Soils Generally stable - stream has a flat gradient for most of its length, flowing through a couple of open areas.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	<u>many old</u>
	Number of droppings	<u>several-1 bear</u>
Geese -----	Number seen on tide flats	<u>0</u>
	Number seen up creek	<u>0</u>
	Number of broods seen	<u>0</u>
Mallards ---	Number seen on tide flats	<u>0</u>
	Number seen up creek	<u>0</u>
	Number of broods seen	<u>0</u>
Mergansers -	Number of broods seen	<u>0</u>
Bald Eagles-	Number seen along creek	<u>0</u>
	Number of nests seen and location	<u>0</u>
Seals -----	Number seen at mouth of stream	<u>0</u>
Tide flats -	Estimate length along beach	<u>0</u>
	Estimate depth out from beach	<u>0</u>
	Eel grass present on what percent of flats	<u>0</u>

PEAK ESCAPEMENT RECORD

NAME: Cholmondeley Sound, 1 mile S.W. of Lancaster Cove

STREAM CATALOG NUMBER: 102-40-11

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 30, 1948	270	350		Good. 750 fish at mouth (G)
Oct. 7, 1950	20	80		(G)
Sept. 18, 1957				5,250 chum at mouth (G)
Sept. 20, 1967	10	350	10 coho	Vis. good (F)
Sept. 18, 1968	N.O.	few		(A)
Sept. 3, 1969				20 fish intertidally (F)
Oct. 8, 1970	N.O.			No fish seen (F)
Oct. 8, 1971	180	350		Vis. good (F)
Oct. 4, 1972		450		Vis. good (F)
Sept. 28, 1972	450			Vis. good. School of chum off mouth. (F)
Sept. 5, 1974	Good showing of pinks and chums			Vis. poor (A)
Sept. 19, 1974	180	519	8 coho	Water low. Vis. excellent (F)

102-40-13
Cholmondeley Sound
Downey - Smith
10-6-73

Small stream but it has definite intertidal potential. A few old fish bones along the stream bank in the intertidal area. Fishery potential here is poor except for the intertidal area which has good gravel and could support a small number of spawners

6' falls is a fish block.
It also flows through
tree branches and
debris at the top.

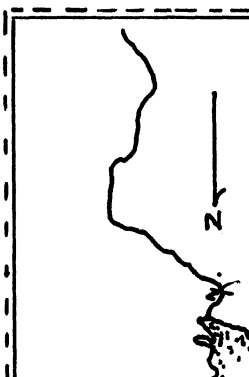
Gradient increases with
more minor cascades.

150 yards with 40% usable
spawning gravel.

Stream narrows above the
intertidal area and becomes
more bouldery with some bed-
rock. Gradient increases.

60 yards intertidal spawning
area with 80% usable spawning
area.

grass



Name _____ Catalog No. 102-40-13
Latitude N 55° 11' 27" WR No. _____
Longitude W 132° 05' 58" K No. _____
Geodetic Map No. Craig A-1 Work Area Ketchikan
Location Cholmondeley Watershed Length _____
Drainage Area of Watershed _____
Water Supply Type Precipitation - runoff & probably springs

Trails & Survey Routes None - walk up the stream

Aerial Survey Notes Small stream with overstory - couldn't be surveyed from the air.

Anchorage Anchor in Lancaster Cove

Tide Stage When Surveyed Almost high.

FISHERY RESOURCES

Commercial Fisheries Pink and chum

Escapement 250 pink & 50 chum on 9-26-66: 500 pink on 8-27-71

Available spawning area - 615 M²

Species Composition 80% pink and 20% chum

Timing Late

Schooling areas Off the mouth

Shellfish Potential Large flats area associated with this stream so should have some clam potential and possibly dungeness crabs.

Sport Fisheries None

Land Use at Present Some of this area may be involved in a recent timber sale in this area.

History of Land Use None

Rehabilitation Potential None - small stream with a barrier falls and steep gradient 150 yards above the tree line.

Soils Stable to a point 150 yards above tree line - unknown above this point.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles-	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	good flats
	Estimate depth out from beach	-
	Eel grass present on what percent of flats	-

Observers: Downey Smith

Date: 10-6-73

Temperature:

Number: 102-40-133

Station No.	1
Pool Size/Type	1/2
Riffle Type	21W
Width - Depth	
Pool Riffle Frequency	3
Bottom Type (Riffle)	4
Color/Turbidity	1
Velocity	2
Flow (C.F.S.)	8.33
Temp, (°F.)	42°
pH	6.0
Fry Abundance	1-1 1-3 1-3
Benthos Sample No.	-
Higher Plant Class	2
Aquatic Veg. Density Ident.	2 / 2
(1) Mosses	
(2) Algae	

General Remarks (rehab., land use, barriers, log jams, etc.):

PEAK ESCAPEMENT RECORD

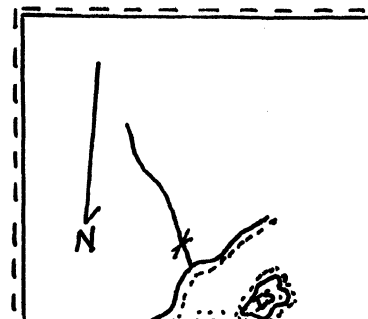
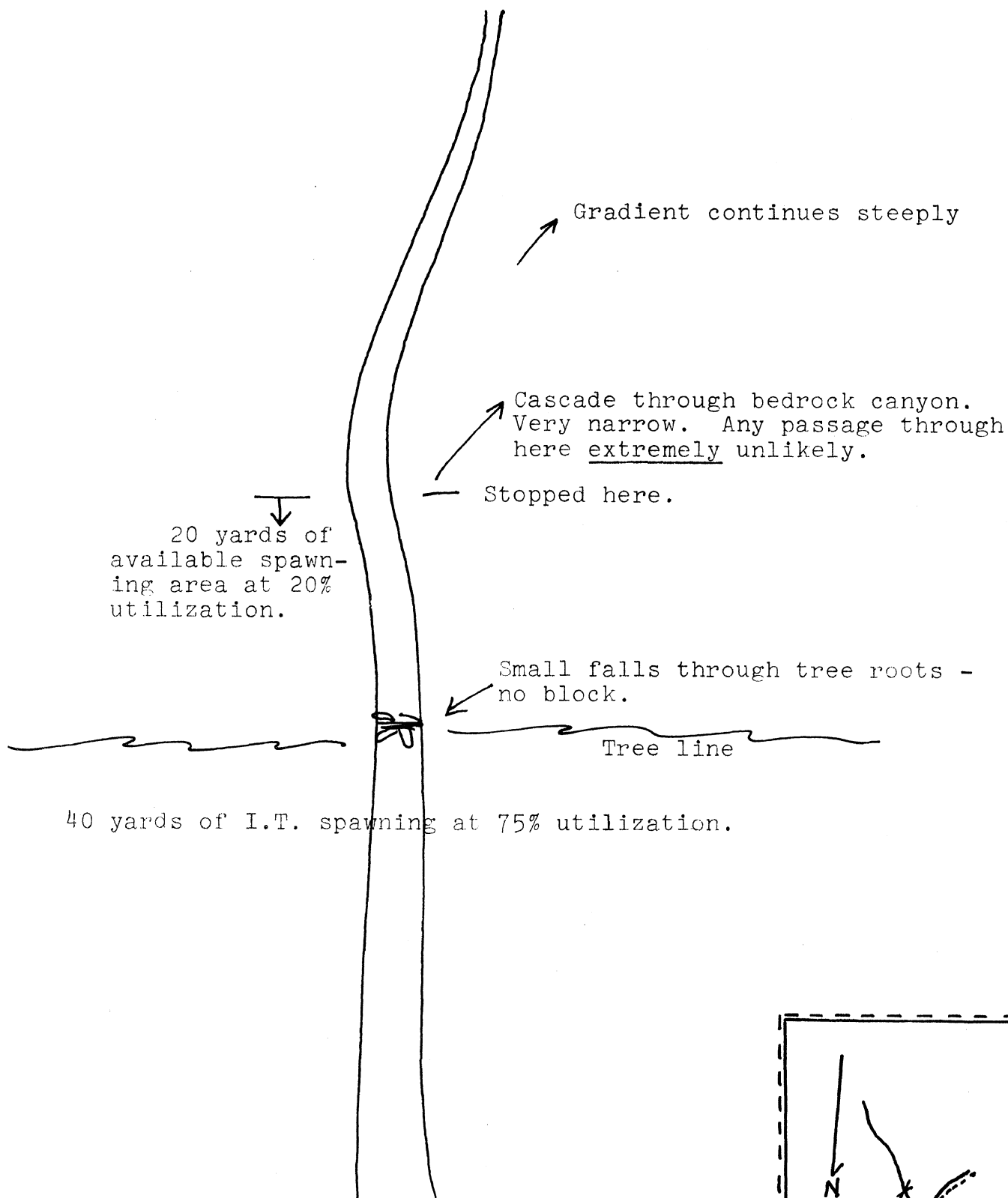
NAME: Lancaster

STREAM CATALOG NUMBER: 102-40-13

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 8, 1970	N.O.			No fish seen (F)
Aug. 27, 1971				Five small schools (500) intertidally. Vis. good (A)
Sept. 28, 1972	25	150		Vis. good. School of chum off mouth. Five jumpers (F)

Kitkun Bay
Stream number 200
102-40-14

No evidence of any fish present although there could definitely be utilization in the I.T. area. Tide $3/4$ in and flooding.



Name Kitkun Bay Catalog No. 102-40-14
 Latitude N 55° 10' 48" WR No. _____
 Longitude W 132° 07' 10" K No. _____
 Geodetic Map No. Craig A-1 Work Area Ketchikan
 Location Kitkun Bay - Cholmondeley Watershed Length _____
 Drainage Area of Watershed _____
 Water Supply Type Precipitation - runoff, possibly springs.

Trails & Survey Routes Small stream - steep gradient 20 yards above tree line.
Walk up stream.
 Aerial Survey Notes Intertidal zone only. Small stream with overstory making
observation impossible.
 Anchorage There are a couple of anchorages in Kitkun Bay, however, would recommend
anchoring elsewhere due to many rocks and must come through chuck.
 Tide Stage When Surveyed 3/4 tide and flooding.

FISHERY RESOURCES

Commercial Fisheries Saw one unidentified fry. No fish bones present. Set
minnow trap for ten minutes but caught nothing.

Escapement No escapement record. Available spawning area - 37 M²

Species Composition Unknown

Timing _____
 Schooling areas Off the mouth.

Shellfish Potential Very little - rocky intertidal zone.

Sport Fisheries None

Land Use at Present None

History of Land Use None

Rehabilitation Potential None. Very small stream with very limited access and
utilization potential.

Soils Stable 20 yards above tree line but gradient is steep beyond this and
could be unstable in this area if disturbed.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	8
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles-	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	very little
	Estimate depth out from beach	"
	Bel grass present on what percent of flats	0

STREAM INV. JURY FORM

Observers: Downey Smith

Date: 10-3-73

Temperature:

Weather: Overcast - showers

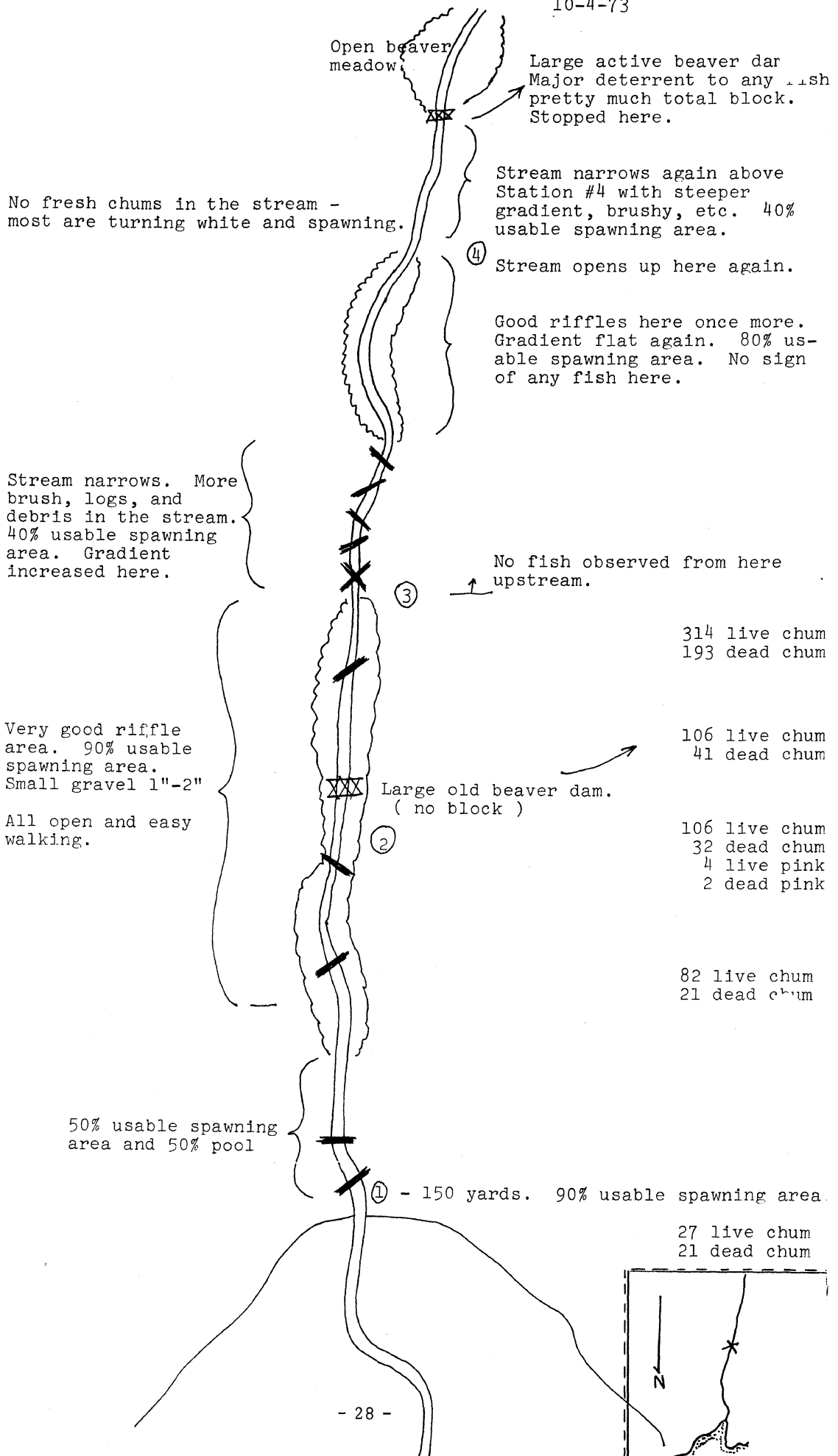
Name:

Number:(200) 102-40-14

[illegible]

General Remarks (rehab., land use, barriers, log jams, etc.):

Kitkun Bay
102-40-15
10-4-73



Name Kitkun Bay Catalog No. 102-40-15
 Latitude N 55° 10' 14" WR No. _____
 Longitude W 132° 07' 54" K No. 143
 Geodetic Map No. Graig A-1 Work Area Ketchikan
 Location Kitkun Bay Watershed Length _____
 Drainage Area of Watershed _____
 Water Supply Type Precipitation - runoff and probably springs.

Trails & Survey Routes This stream is relatively easy to walk, with much open area. Walk up the middle of the stream.

Aerial Survey Notes Fairly open. Can be surveyed from the air as most of the open areas are the better spawning areas also.

Anchorage Could probably anchor somewhere here but would recommend anchoring for the night in Lancaster cove.

Tide Stage When Surveyed Tide high and starting to ebb.

FISHERY RESOURCES

Commercial Fisheries chum, pink, coho

Escapement 10,300 pink and 2,200 chum on 9-30-48: 1 pink, 81 chum and 14 coho 10-8-53: 30,000 chum on 9-21-57: Available spawning area - 5,128 M2

Species Composition varies but generally more chum than pink

Timing Late

Schooling areas Off the mouth

Shellfish Potential Poor - not much flats area. Probably limited to a few clams.

Sport Fisheries None - or very poor, at least.

Land Use at Present Logging camp was located just around the corner. No part of this stream has been disturbed.

History of Land Use None.

Rehabilitation Potential None: However, this is a very good stream with good gravel and gradient and should be protected.

Soils Generally stable with the stream mostly maintaining a flat gradient for most of its length.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	many old
	Number of droppings	many, 1 bear
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles-	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	small
	Estimate depth out from beach	-
	Eel grass present on what percent of flats	-

Observers: Downey ith
Date: 10-4-73

Temperature:
Weather: Over

General Remarks (rehab., land use, barriers, log jams, etc.):

10 minute walking intervals between stations

PEAK ESCAPEMENT RECORD

NAME: Kitkun Bay, S. shore 3 miles from head

STREAM CATALOG NUMBER: 102-40-15

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 6, 1930				Very good. Banks, stream mouth full of spawned chum.
Sept. 25, 1940	3,000			Good (G)
Sept. 18, 1941				Very good. 150,000 in stream and bay, mostly chum. (G)
Sept. 30, 1948	10,300	2,200		Good. 3,000 fish off mouth (G)
Sept. 9, 1952		12		(G)
Oct. 8, 1953	1	1	14 coho	Poor. Old beaver dam present (G)
Season, 1955	3,500	3,500		(G)
Sept. 15, 1956	1,000	1,000		(A)
Sept. 13, 1957		40		10,000 chum at mouth, 25,000 chum in bay.
Sept. 17, 1957				60,000 at mouth
Sept. 21, 1957		30,000		
Oct. 11, 1961		9		17 carcasses. Foot survey of 400 yards. (G)
Oct. 2, 1963	12	28	25 coho	(F)
Aug. 20, 1964	N.O.			Vis. good (F)
Sept. 13, 1965				100 fish intertidally (A)
Sept. 26, 1966	50	250		2 chum intertidally. Carcasses present (F)
Sept. 20, 1967	15	400	2 red, 7 coho	150 chum intertidally. Vis good (F)
Sept. 18, 1968				250 chum intertidally. (A)
Sept. 3, 1969	20			100 fish intertidally (F)
Sept. 12, 1970				200 fish in intertidal zone, (F)
Aug. 27, 1971	300			Vis good (A)
Oct. 7, 1971		410		Vis. good (F)

PEAK ESCAPEMENT RECORD

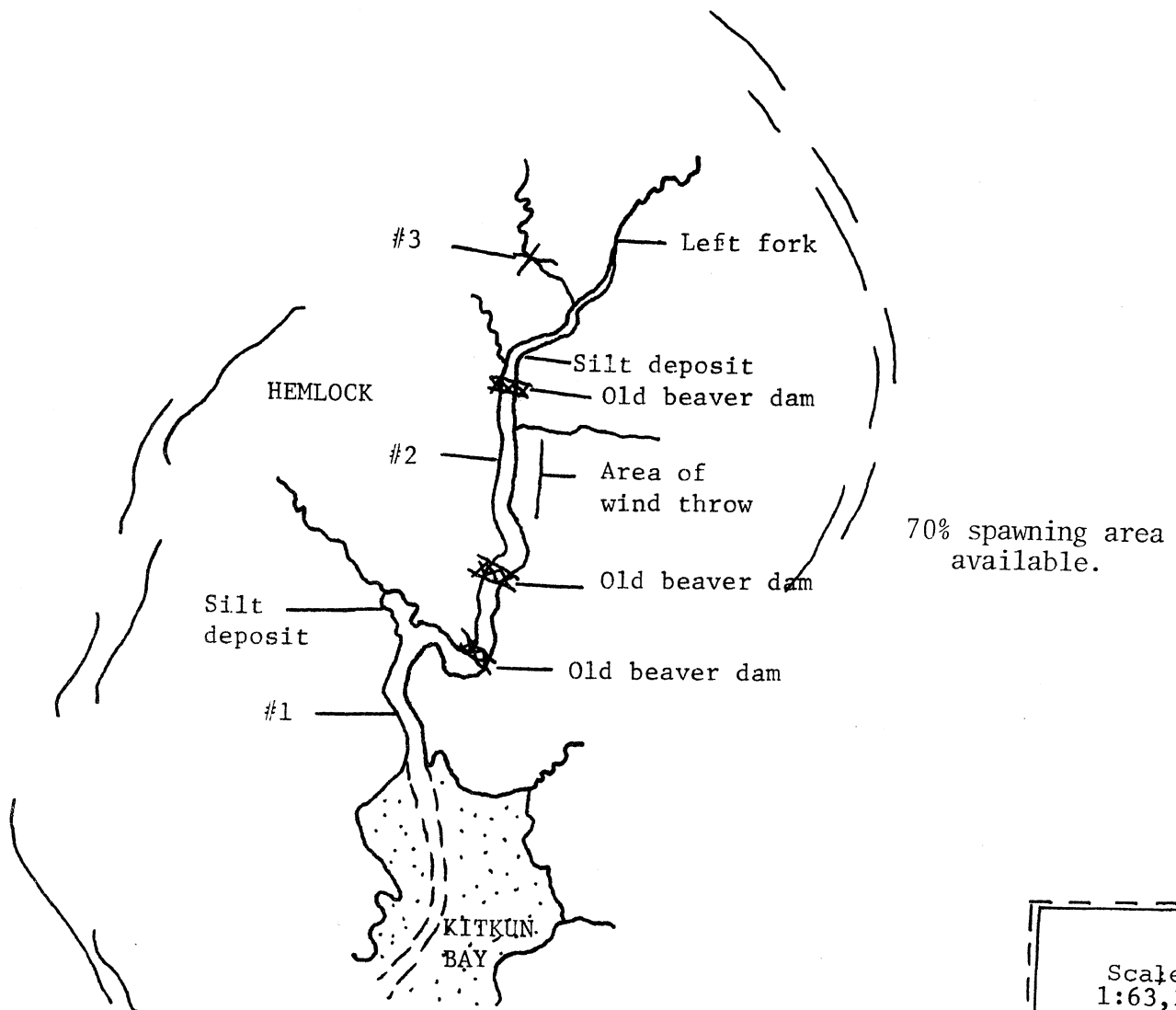
NAME: Kitkun Bay, S. shore 3 miles from head

STREAM CATALOG NUMBER: 102-40-15

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 4, 1972	25	120		Vis. Good (F)
Aug. 15, 1973				1,000 fish at mouth. Vis good (H)
Sept. 5, 1974	500			Few chums jumping in Kitkoon. Vis. poor (A)

- 32 -

Kitkun Bay #1
102-40-17
Cholmondeley Sound



Name Kitkun Bay Stream #1 Catalog No. 102-40-17
Latitude N 55° 10.1' WR No.
Longitude W 132° 09.5' W K No. 144 (previous number 131A)
Geodetic Map No. Craig - A-1 Work Area Ketchikan
Location Cholmondeley Sound Watershed Length .7 mile
Drainage Area of Watershed 1.39 sq. miles
Water Supply Type Springs and runoff

Trails & Survey Routes Creek may be waded during normal flow, beaver dams may be hard to walk around.

Aerial Survey Notes Dense brush limits visibility.

Anchorage Good anchorage in Kitkun but entrance tricky to handle. Least depth - 1 fathom.

Tide Stage When Surveyed 1st half of ebb.

FISHERY RESOURCES

Commercial Fisheries Excellent chum producer.

Escapement Downey counted 6,000 chum in 1972 (this data was not listed in ADF&G stream survey book). Available spawning area - 6,020 M²

Species Composition Pink and chum salmon

Timing Late-late September - October.

Schooling areas School directly in front of mouth.

Shellfish Potential Dungeness crab off bay, clams present in high number in bay.

Sport Fisheries Cutthroat and Dolly Varden but main emphasis on commercial species.

Land Use at Present Presently under IDT study -- road has been proposed to parallell both sides of stream.

History of Land Use Supposedly a copper mine was located on this watershed. No other land use known.

Rehabilitation Potential None necessary - some wind throw present. Beaver dams not stopping fish migrations.

Soils Silt problem evident on the entire watershed.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	100
	Number of droppings	0
Geese -----	Number seen on tide flats	2
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	25
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles-	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	1/2 mile
	Estimate depth out from beach	10-15 feet
	Wet grass present on what percent of flats	5%

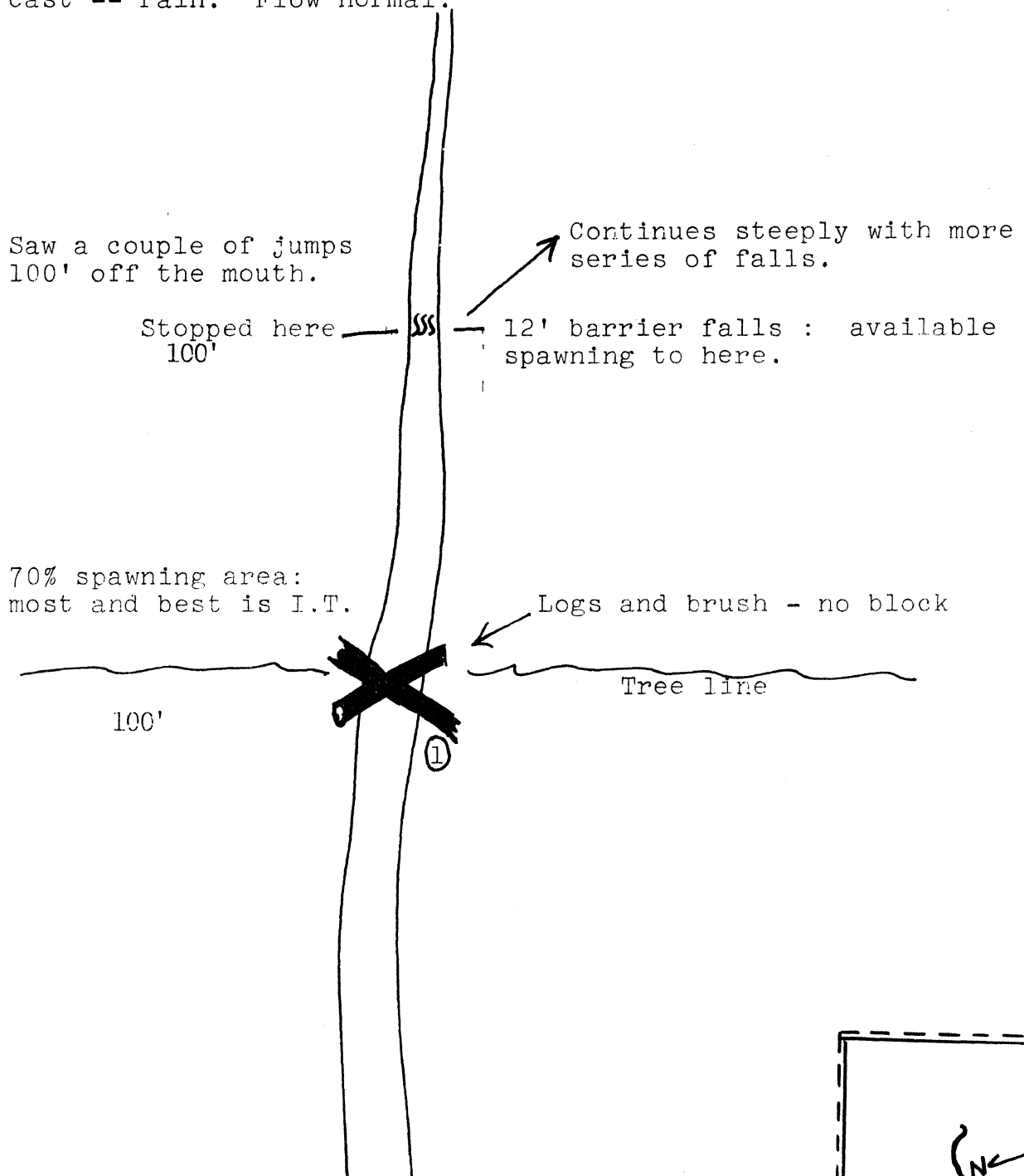
PEAK ESCAPEMENT RECORD

NAME: Kitkun Bay, S. shore 1.25 miles from head

STREAM CATALOG NUMBER: 102-40-17

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 6, 1930				2,000 in stream. Pink spawned out (G)
Sept. 25, 1940	3,000			Good (G)
Sept. 29, 1948	2,500	2,000		Fair. 3,000 fish off mouth (G)
Aug. 31, 1949	1,000			(G)
Sept. 10, 1952				No fish present (G)
Oct. 8, 1953	3	250		None at mouth (G)
Sept. 13, 1957				3,000 chum off mouth (G)
Oct. 11, 1961		1,150		No fresh fish. Beaver dam stops fish (G)
Sept. 6, 1962		500		(A)
Oct. 2, 1963		400		500 carcasses. Fair number for this stream. (F)
Aug. 29, 1964	N.O.			(F)
Sept. 18, 1964	100	25		(F)
Sept. 13, 1965				250 fish intertidally. Beaver dams (A)
Sept. 3, 1969	12			(F)
Sept. 12, 1970				2-300 chum intertidally, Many jumps in bay. (F)
Oct. 8, 1971	65	230		(F)
Oct. 4, 1972	20	7,300		45 chum intertidally. Vis good (F)
Sept. 18, 1974	----est.1	500-----		3 schools, Vis. poor (A)

Small stream with little potential - except I.T. spawning.
Very steep gradient. No soils problems to the point
where we stopped walking. 2/3 tide and flooding. Over-
cast -- rain. Flow normal.



Name Head Kitkun Bay Catalog No. 102-40-20
Latitude N 55° 09' 08" WR No. _____
Longitude W 132° 11' 35" K No. _____
Geodetic Map No. Craig A-1 Work Area Ketchikan
Location Head Kitkun Bay Watershed Length 1 mile
Drainage Area of Watershed .75 sq. mile
Water Supply Type _____ Precipitation - springs.

Trails & Survey Routes Small stream - walk up the stream as stream banks are brushy.
Aerial Survey Notes No aerial survey above the tree line. Small stream with over-story, making observation impossible.
Anchorage Large boats can go in here but it's best not to if any other alternative is available - due to many rocks and chuck situation.
Tide Stage When Surveyed 2/3 tide and flooding.

FISHERY RESOURCES

Commercial Fisheries None observed, put a minnow trap in for ten minutes and caught nothing. No old bones, etc.
Escapement No escapement record.

Species Composition Unknown

Timing _____
Schooling areas Off the mouth - saw two jumps.

Shellfish Potential Very little - not much intertidal and is pretty rocky.

Sport Fisheries None

Land Use at Present None

History of Land Use None.

Rehabilitation Potential None. Small stream with steep gradient.

Soils Soils stable to the point walked - 100' above tree line. Slumpage could occur here if the terrain was disturbed.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles-	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	1
Tide flats -	Estimate length along beach	Don't remember
	Estimate depth out from beach	"
	Eel grass present on what percent of flats	"

Observers: Downey Smith

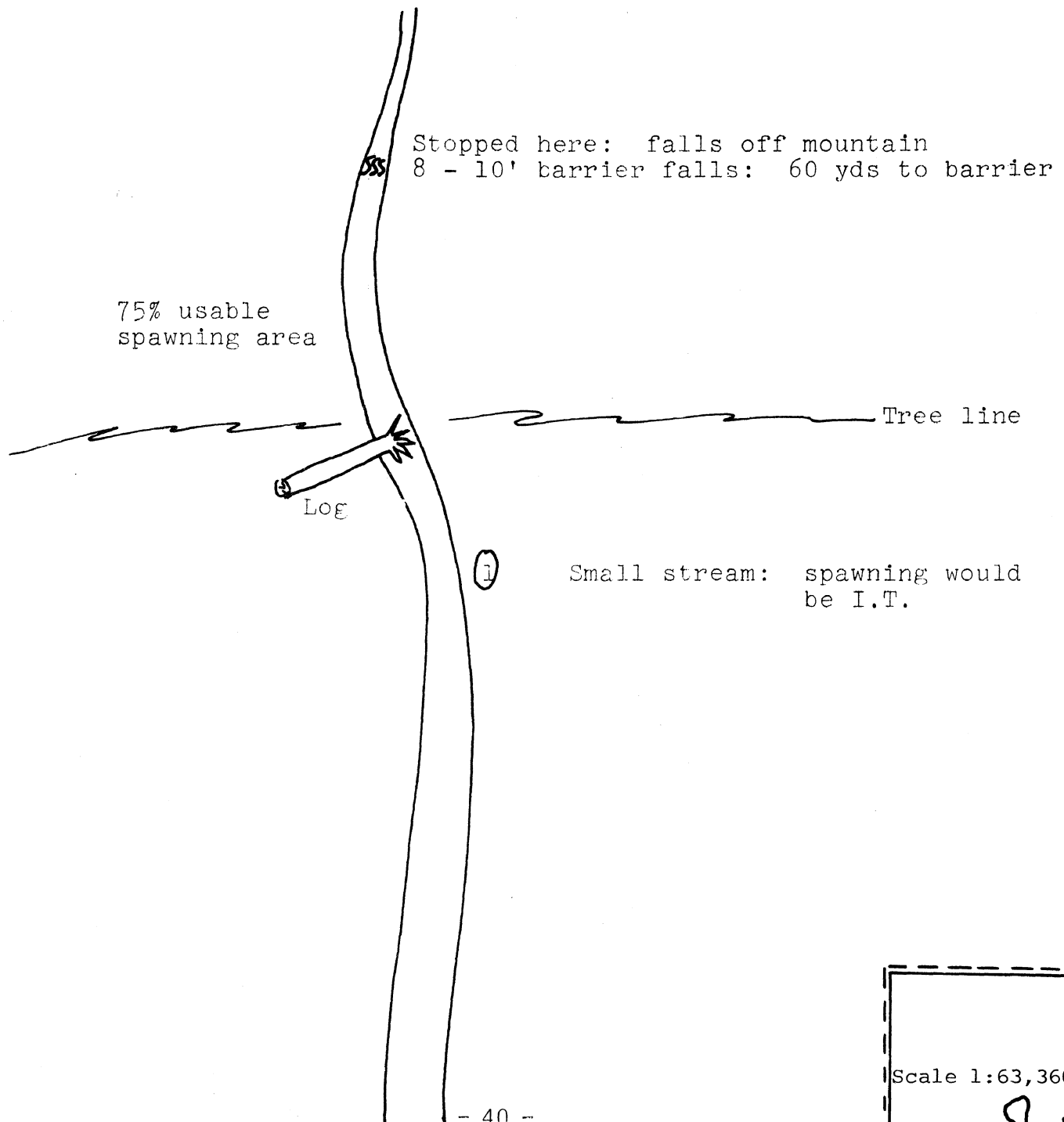
Date: 10-3-73

Weather: Overcast - showers

Number: 102-40-20

General Remarks (rehab., land use, barriers, log jams, etc.):

Small stream with definite falls barrier
20 yards above the tree line. No evidence
of any fish present.



Name Head Kitkun Bay Catalog No. 102-40-22
 Latitude N 55° 09' 03" WR No. _____
 Longitude W 132° 11' 36" K No. _____
 Geodetic Map No. Craig A-1 Work Area Ketchikan
 Location Head of Kitkun Bay Watershed Length 1.25 mile
 Drainage Area of Watershed .53 sq. mi.
 Water Supply Type Small high lake.

Trails & Survey Routes Walk along stream bank - small stream with very steep gradient above intertidal.

Aerial Survey Notes Intertidal zone only. Almost zero potential above the tree line.

Anchorage Large boats can go in here but its best not to if any other alternate is available - due to many rocks and chuck situation.

Tide Stage When Surveyed Half tide and flooding.

FISHERY RESOURCES

Commercial Fisheries None observed. Put a minnow trap in for ten minutes and caught nothing. No old bones, etc.

Escapement No escapement record.
Available spawning area - 209 M2

Species Composition Unknown

Timing _____

Schooling areas Off the mouth.

Shellfish Potential Very little - rocky intertidal.

Sport Fisheries None

Land Use at Present None

History of Land Use None.

Rehabilitation Potential None. Small stream with very steep gradient above the tree line.

Soils Soils stable to the point walked. Very steep gradient just above the tree line and slumpage could occur here if the terrain was disturbed.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles--	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	-
	Estimate depth out from beach	-
	Eel grass present on what percent of flats	0

Observers: Downey, mith

Observers: Downey, mith

Date: 10-3-73

Temperature:

Weather: Overcast - showers

Number: 102-40-22

[illegible]

General Remarks (rehab., land use, barriers, log jams, etc.):

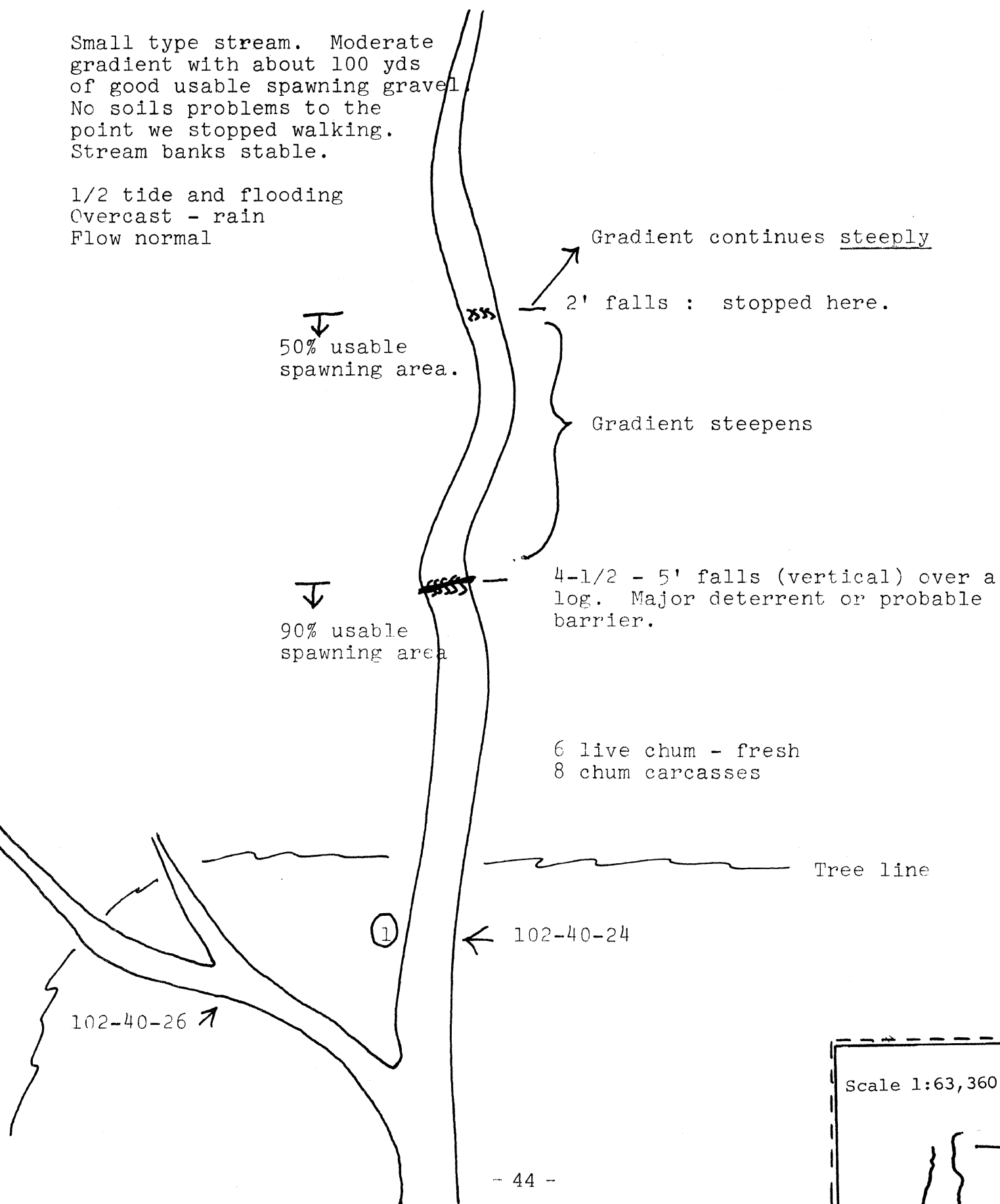
NAME: Kitkun Bay

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Aug. 11, 1963				A falls at high tide, barrier to salmon (F)
Sept. 5, 1974	-----14,000-----			At mouth and in intertidal zone. Vis. poor (A)

- 43 -

Small type stream. Moderate
gradient with about 100 yds
of good usable spawning gravel.
No soils problems to the
point we stopped walking.
Stream banks stable.

1/2 tide and flooding
Overcast - rain
Flow normal



Scale 1:63,360

N

Name Head Kitkun Bay Catalog No. 102-40-24
 Latitude N 55° 09' 08" WR No. _____
 Longitude W 132° 11' 50" K No. _____
 Geodetic Map No. Craig A-1 Work Area Ketchikan
 Location Right Head of Kitkun Bay Watershed Length 1.25 miles
 Drainage Area of Watershed 1.56 sq. miles
 Water Supply Type Precipitation, springs, runoff

Trails & Survey Routes Walk up center of stream - easy walking with very little debris in the stream.

Aerial Survey Notes Poor above the intertidal area due to heavy overstory and smallness of the stream.

Anchorage Large boats can go in here but its best not to if any other alternate is available. Due to many rocks and chuck situation.

Tide Stage When Surveyed Half tide and flooding.

FISHERY RESOURCES

Commercial Fisheries Six fresh live chum and eight chum carcasses. No fry taken in the minnow trap.

Escapement No escapement record.
Available spawning area - 429 M²

Species Composition 100% chum - probably utilized by a few pinks and coho.

Timing _____
 Schooling areas Off the mouth.

Shellfish Potential Very little.

Sport Fisheries None

Land Use at Present None

History of Land Use None

Rehabilitation Potential None. Most of the available spawning area could be used by salmon.

Soils Steep gradient above 2' falls approximately 100 yards above the intertidal zone. Slumpage could occur above the falls if this area was logged.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	2
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ----	Number seen on tide flats	4
	Number seen up creek	0
	Number of broods seen	0
Mergansers --	Number of broods seen	0
Bald Eagles--	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	30 yds.
	Estimate depth out from beach	3 yds.
	Eel grass present on what percent of flats	0

Observers: Downey, Smith
Date: 10-3-73

Temperature:

Weather: Overcast - showers

Station No.	1	2
Pool Size/Type	1/2	2/2
Riffle Type	W	W
Width - Depth	15	7
Pool Riffle frequency	3	3
Bottom Type (Riffle)	4	4
Color/Turbidity	1	1
Velocity	2	2
Flow (C.F.S.)	3.66	-
Temp. (°F.)	46°	46°
pH	6.0	6.0
Grass Abundance	0	0
Periphyton Sample No.	1	-
Higher Plant Class	1	2
Aquatic Veg. Density Ident.	2 / 1	2 / 3
(1) Mosses		
(2) Algae		

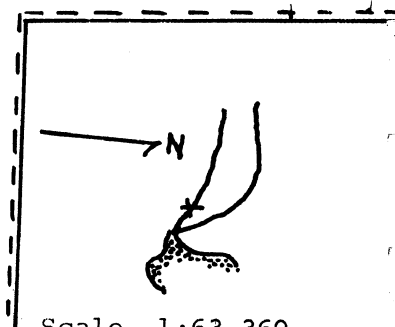
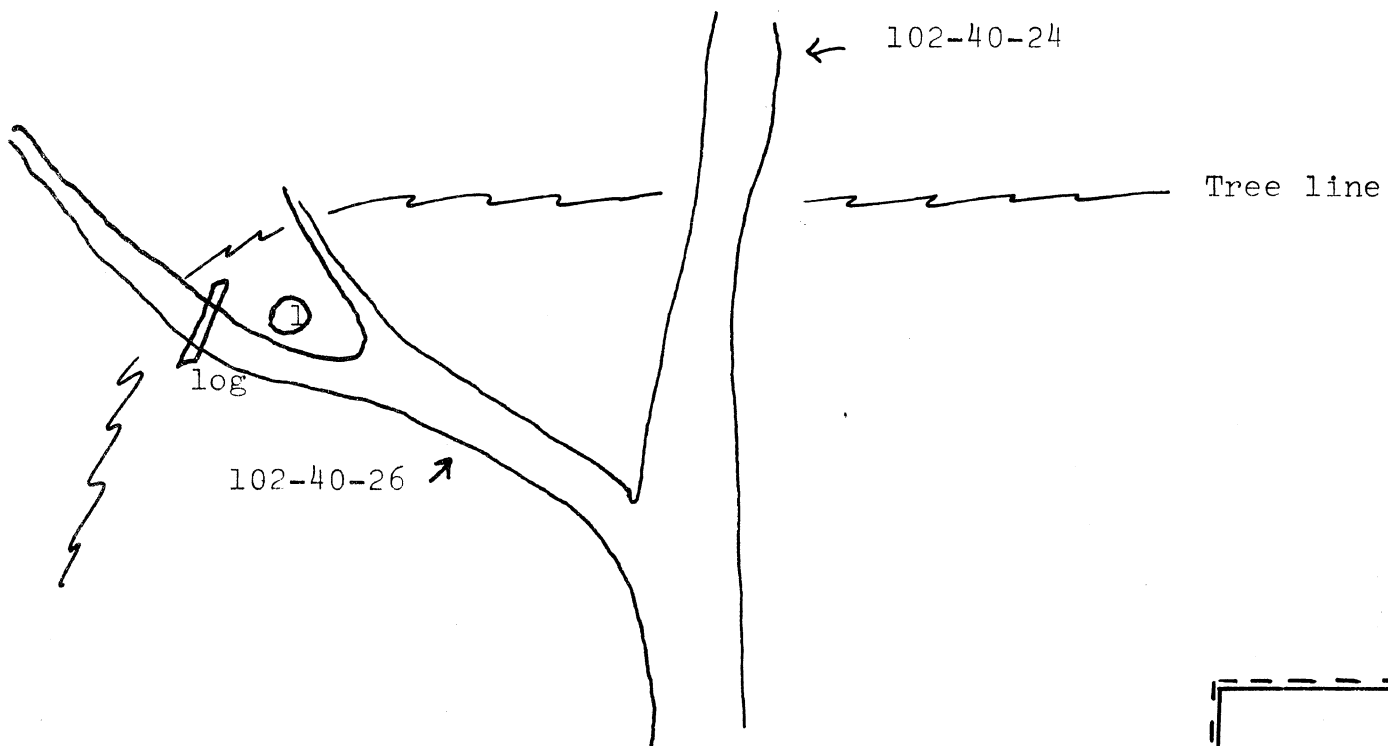
General Remarks (rehab., land use, barriers, log jams, etc.):

NAME: Kitkun

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 3, 1969	N.O.			(F)

- 47 -

Very small stream - good I.T. gravel with approximately 60 yards of available spawning area. A few unidentified fish bones seen plus 1 chum carcass. Spreads out in lower IT. Has a common mouth with stream 102-40-24. Stream banks stable. 1/2 tide and flooding. Overcast - rain. Stream flow normal. 90% usable spawning area.



Name Head Kitkun Bay Catalog No. 102-40-26
Latitude N 55° 10' 00" WR No. _____
Longitude W 132° 11' 15" K No. _____
Geodetic Map No. Craig A-1 Work Area Ketchikan
Location Right head of Kitkun Bay Watershed Length 1.5 miles
Drainage Area of Watershed 1.76 sq. miles
Water Supply Type Precipitation - runoff

Trails & Survey Routes Walk up the stream. Small stream terminating just above the tree line.

Aerial Survey Notes Intertidal survey only - very small brushy above the tree line.

Anchorage Large boats can go in here but its best not to if any other alternate is available due to many rocks and chuck situation.

Tide Stage When Surveyed Half tide and flooding.

FISHERY RESOURCES

Commercial Fisheries A few unidentified fish bones seen plus one chum carcass - very small stream with low potential.

Escapement No escapement record.

Available spawning area - 84 M²

Species Composition Would assume pink, chum and possibly a couple of coho.

Timing _____

Schooling areas Off the mouth

Shellfish Potential Very little.

Sport Fisheries None

Land Use at Present None

History of Land Use None

Rehabilitation Potential None - very low potential stream with the only real potential being a very limited intertidal area.

Soils Steep gradient above the intertidal zone. Slumpage could occur if this area was logged. Appears stable now.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	<u>0</u>
	Number of droppings	<u>0</u>
Geese -----	Number seen on tide flats	<u>12</u>
	Number seen up creek	<u>0</u>
	Number of broods seen	<u>0</u>
Mallards ----	Number seen on tide flats	<u>8</u>
	Number seen up creek	<u>0</u>
	Number of broods seen	<u>0</u>
Mergansers -	Number of broods seen	<u>0</u>
Bald Eagles-	Number seen along creek	<u>0</u>
	Number of nests seen and location	<u>0</u>
Seals -----	Number seen at mouth of stream	<u>0</u>
Tide flats -	Estimate length along beach	<u>30 yds</u>
	Estimate depth out from beach	<u>3 yds</u>
	Eel grass present on what percent of flats	<u>0</u>

Observers: Downey, Smith

Observers: Downey, Smith

Date: 10-3-73

Temperature:

Weather: Overcast - showers

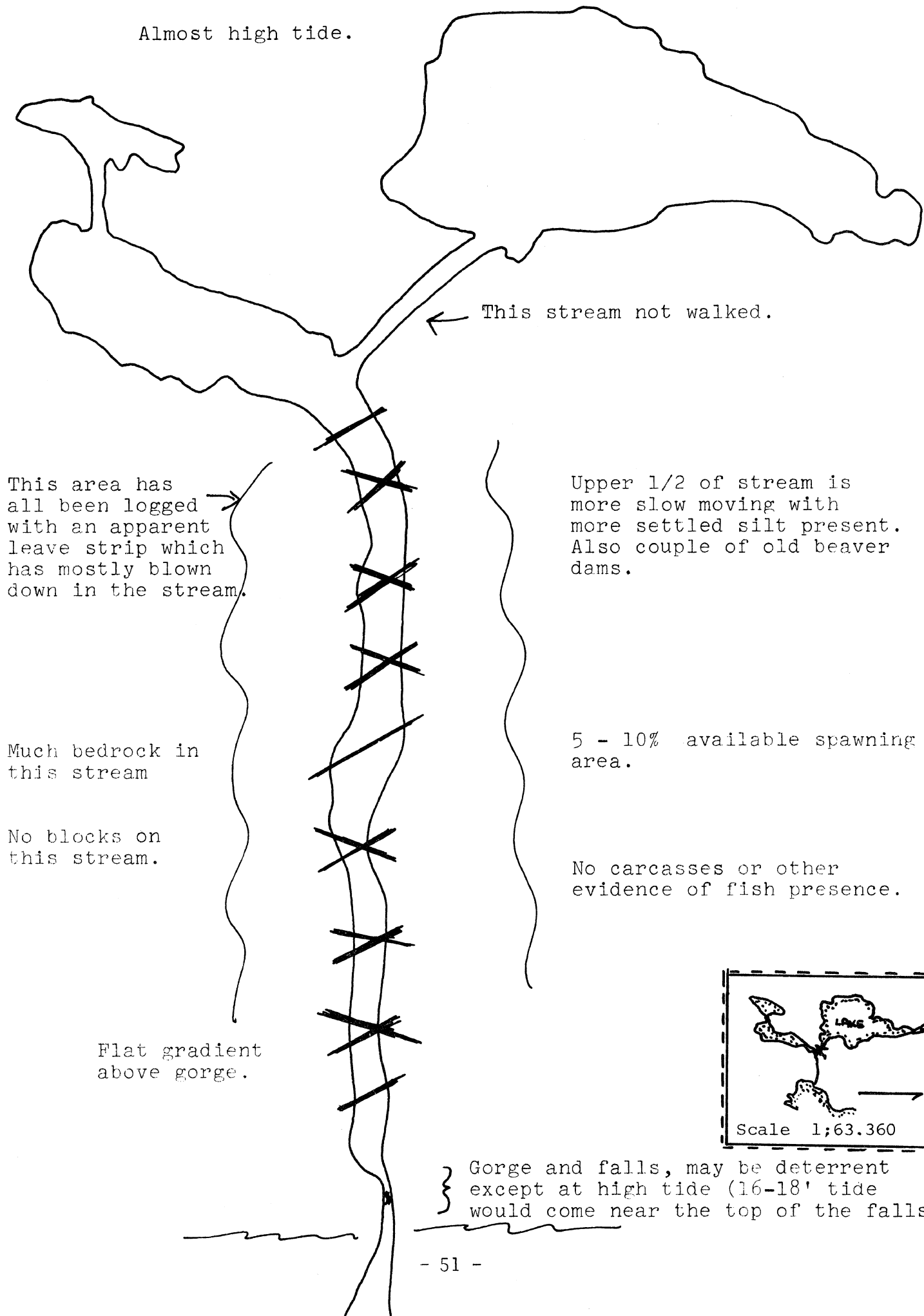
Name:

Number: 102-40-26

Station No.	1
Pool Size/Type	1/2
Rifle Type	W
Width - Depth	5'
Pool Rifle Frequency	3
Bottom Type (Rifle)	4
Color/Turbidity	1
Velocity	2
Flow (C.F.S.)	.6
Temp ° (°F.)	48°
pH	6.0
Fry Abundance	0
Benthos Sample No.	1
Higher Plant Class	1
Aquatic Veg. Density Ident. (1) Mosses (2) Algae	2 / 2

General Remarks (rehab., land use, barriers, log jams, etc.):

Almost high tide.



← This stream not walked.

This area has
all been logged
with an apparent
leave strip which
has mostly blown
down in the stream.

Upper 1/2 of stream is
more slow moving with
more settled silt present.
Also couple of old beaver
dams.

Much bedrock in
this stream

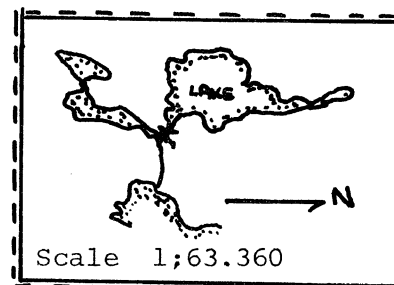
5 - 10% available spawning
area.

No blocks on
this stream.

No carcasses or other
evidence of fish presence.

Flat gradient
above gorge.

} Gorge and falls, may be deterrent
except at high tide (16-18' tide
would come near the top of the falls).



Name Brennan Creek Catalog No. 102-40-28
 Latitude N 55° 11' 19" WR No. _____
 Longitude W 132° 09' 27" K No. 145
 Geodetic Map No. Craig A-1 Work Area Ketchikan
 Location Outside Main Kitkun Bay Watershed Length 2.5 miles
 Drainage Area of Watershed 3.0 sq. miles
 Water Supply Type Lake systems

Trails & Survey Routes This stream "Very difficult" walking due to the large massive amounts of windfall in, over and around the stream from logging
 Aerial Survey Notes Dark muskeg colored water and lots of log jams. Would be difficult or impossible to survey from the air.
 Anchorage Could probably anchor somewhere here but would recommend anchoring for the night in Lancaster Cove.
 Tide Stage When Surveyed Almost high.

FISHERY RESOURCES

Commercial Fisheries pink, chum: left minnow trap in overnight catching four cutthroat trout and 1 stickleback.
 Escapement 300 pink and 600 chum on 9-29-48.
Available spawning area - 209 M²
 Species Composition 66% chum and 33% pink.

Timing _____
 Schooling areas Off the mouth

Shellfish Potential None - very rocky intertidal zone.

Sport Fisheries Unknown - could have good potential with the lake systems.

Land Use at Present None

History of Land Use This area along stream has been logged.

Rehabilitation Potential Some of the windfall could be removed but to what avail I'm not sure - no barriers on the stream.

Soils Logging has caused 'much silt' to settle in the slower moving areas of the upper stream here - flat gradient so no slumpage has occurred. All logged.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	30
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles-	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	almost none
	Estimate depth out from beach	"
	Eel grass present on what percent of flats	0

PEAK ESCAPEMENT RECORD

NAME: Kitkun Bay, N. shore 2.5 miles from head

STREAM CATALOG NUMBER: 102-40-28

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 29, 1948	300	600		Excellent. 200 fish off mouth (G)
Sept. 13, 1957	0	0		None observed off mouth (G)

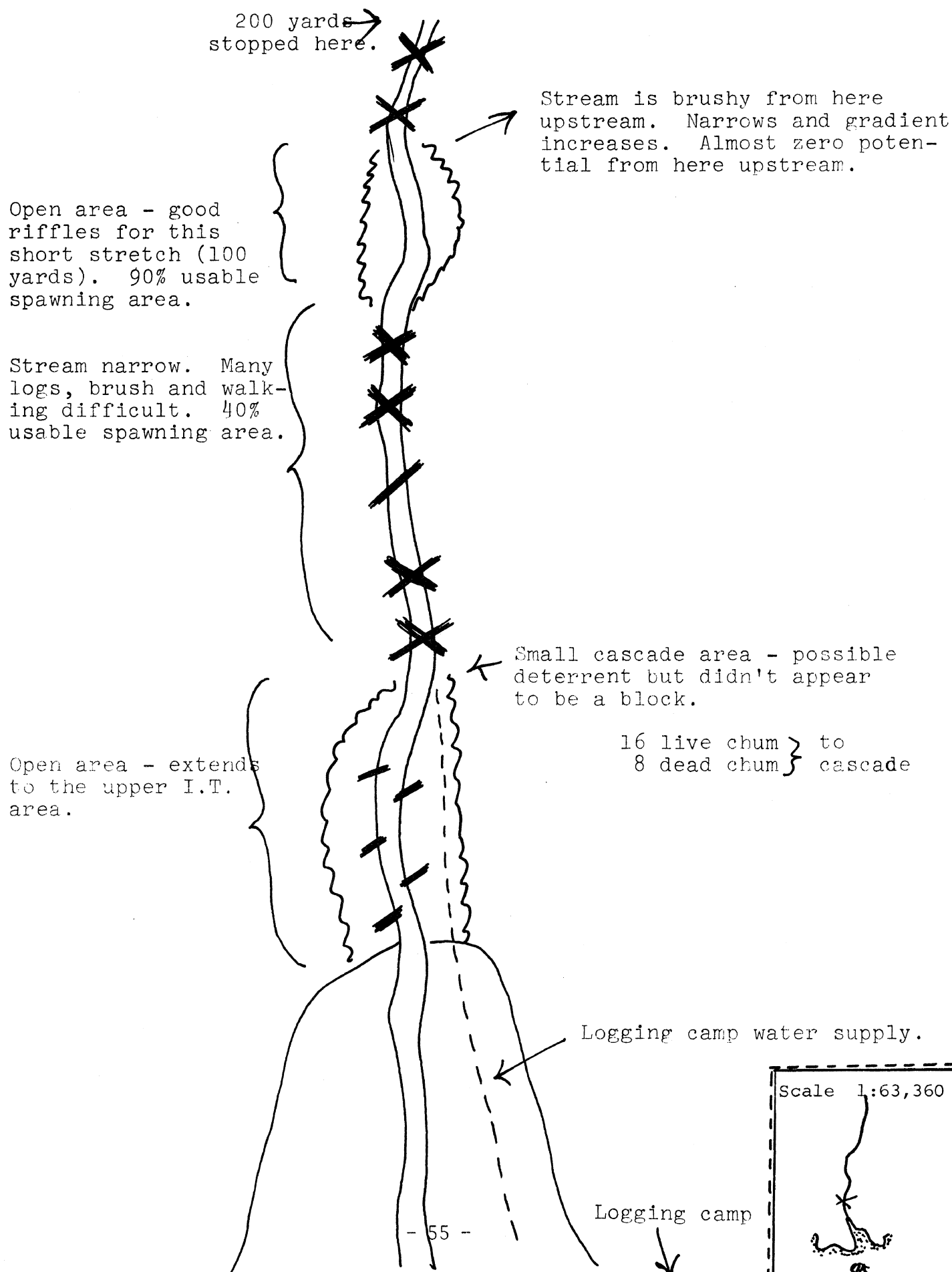
- 54 -

Small narrow stream. Affords water supply for logging camp. Little potential but could support salmon with the I.T. being the best area by far.

102-40-31

Between Dora and Kitkun Bays

10-4-73



Name _____ Catalog No. 102-40-31
Latitude N 55° 11' 48" WR No. _____
Longitude W 132° 11' 27" K No. 146
Geodetic Map No. Craig A-1 Work Area Ketchikan
Location Cholmondeley Sound Watershed Length _____
Drainage Area of Watershed _____
Water Supply Type Precipitation and runoff, probably springs also

Trails & Survey Routes No trails with portions being difficult to walk due to windfalls and overhanging brush - walk in the stream.

Aerial Survey Notes Small stream with dense overstory - can't survey from the air.

Anchorage Best to anchor in Lancaster Cove; off the mouth of Lagoon Creek, or off the mouth of Dissappearance Creek.

Tide Stage When Surveyed Low tide.

FISHERY RESOURCES

Commercial Fisheries pink and chum

Escapement 400 pink and 400 chum 9-29-48: 24 chum 10-4-73

No other escapement data available. Available spawning area - 1,271 M²

Species Composition 50% pink and 50% chum

Timing Late

Schooling areas Off the mouth

Shellfish Potential Limited to clams - not much tide flats.

Sport Fisheries None

Land Use at Present Logging camp located here and taking water from the stream.

History of Land Use None

Rehabilitation Potential None - small stream with only limited potential.

Soils Generally stable.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles--	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	small flats
	Estimate depth out from beach	-
	Eel grass present on what percent of flats	-

PEAK ESCAPEMENT RECORD

NAME: Cholmondeley Sound, S shore 1.6 miles W. of entrance to Kitkun Bay

STREAM CATALOG NUMBER: 102-40-31

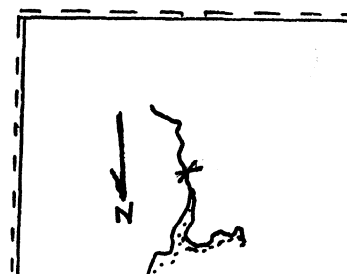
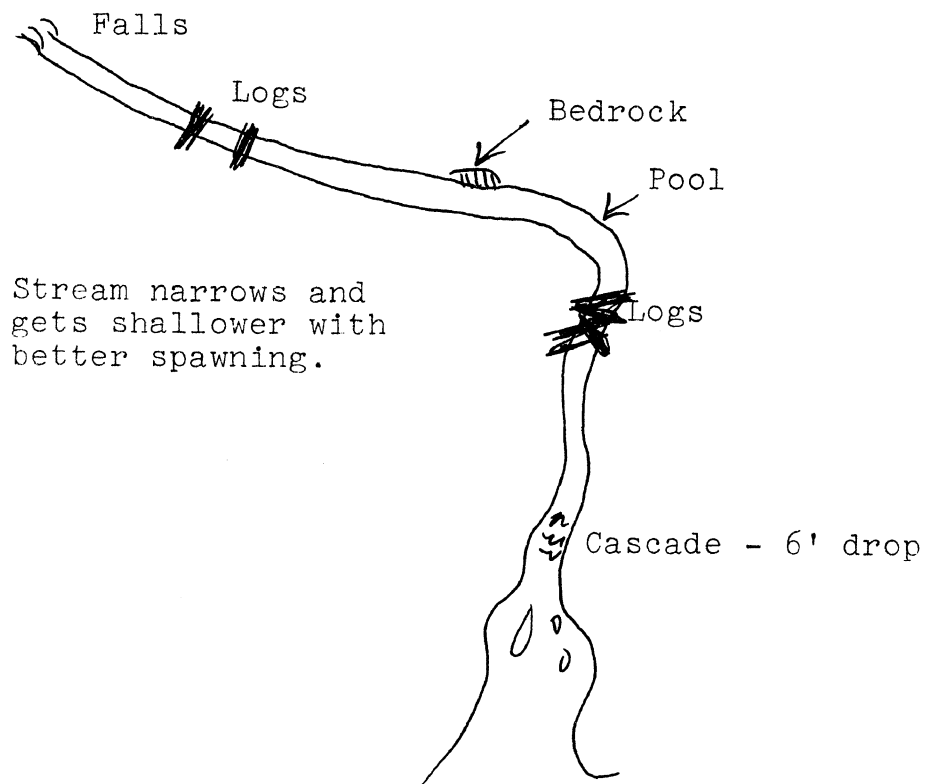
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 29, 1948	400	400		Poor. 250 fish off mouth (G)

102-40-31A
#101
Westlund
10-10-73

Stream is 4-6' wide. No fish or carcasses. Barrier about 10' above high tide. Flat has lots of logs in it. Stream drains a logged area.

102-40-32
#102
10-10-73
Westlund

Hemlock - spruce - 60-40. Thick brush along stream.
Tide flat of little value - some clam shells present.



Name _____ Catalog No. 102-40-32
Latitude 55° 12' 14" WR No. 132A
Longitude 132° 14' 20" K No. K147
Geodetic Map No. Craig - A-1 Work Area _____
Location Chol. Sd. - Dora Bay Watershed Length .5 mile
Drainage Area of Watershed 1.44 sq. miles
Water Supply Type Lake - precip.

Trails & Survey Routes None

Aerial Survey Notes 6' falls, passable with difficulty. 200' upstream.

Anchorage for small boat in bight on right side of mouth.

Tide Stage When Surveyed Flooding

FISHERY RESOURCES

Commercial Fisheries Pink, chum.

Escapement inadequate records. No fish observed 10-10-73

Available spawning area - 149 M²

Species Composition Not known.

Timing Late

Schooling areas Small flat off mouth of stream.

Shellfish Potential Some clam beds present at outer end of flat.

Sport Fisheries None

Land Use at Present None

History of Land Use None

Rehabilitation Potential Small spawning area above barrier.

Soils Stable - stream banks away from stream itself.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	50
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers --	Number of broods seen	0
Bald Eagles--	Number seen along creek	2
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	1/4 mi.
	Estimate depth out from beach	20 ft.
	Eel grass present on what percent of flats	0

Observers: Westlund Joyner
Date: 10-3-73

Temperature:

Weather: Overcast - lt. rain

[illegible]

General Remarks (rehab., land use, barriers, log jams, etc.):

PEAK ESCAPEMENT RECORD

NAME: Dora Bay, S. shore 2 miles N.E. of head

STREAM CATALOG NUMBER: 102-40-32

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 15, 1941				200,000 in bay and streams (G)
Sept. 29, 1948	300	400		Good. 100 fish at mouth (G)
Sept. 17, 1953		2		Poor. (G)
Sept. 13, 1957	25	0		1,000 pink off mouth (G)
Aug 10, 1959	4,000	0		None at mouth(A)

- 63 -

102-40-33
Dora Lake Stream
Cholmondeley Sound
1010-73
Westlund

Boulders and small rapids. Stream is fast and falling in elevation. Stream banks very brushy. Banks have moderate slope.

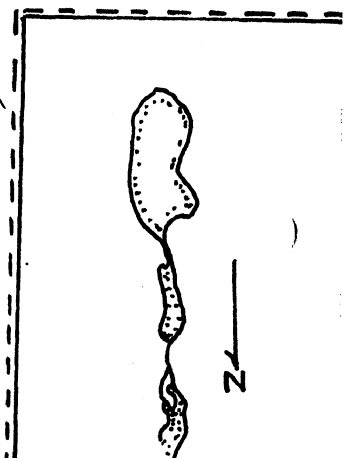
Station #1 →

Small fast area →

Pool ranging from 3 - 8'
Bottom is sand and gravel.
Good spawning area.
200 p, 60 c, 75 r, 10-15 coho.

Boulders & fast water

No I.T. spawning area. No fish observed. Some carcasses. Incredible numbers of white jellyfish in head of bay.



Name Dora Lake Creek Catalog No. 102-10 33
Latitude 55° 10' 23" WR No. 132
Longitude 132° 14' 22" K No. K 148
Geodetic Map No. Craig - A-1 Work Area _____
Location Chomly Sd. Dora Bay Head Watershed Length 1.6 miles
Drainage Area of Watershed 2.54 sq. miles
Water Supply Type Lake

Trails & Survey Routes No trails - banks brushy and steep. Travel up stream.

Aerial Survey Notes Large pool just above high tide where most of the fish stay and spawn.

Anchorage For small boat - in bay. Not recommended for larger boats.

Tide Stage When Surveyed Flooding

FISHERY RESOURCES

Commercial Fisheries Pink, chum, red, coho

Escapement 200 P, 60 C, 75 R, 10 coho - 10-10-73. Inadequate records.
Available spawning area - 1,410 M²

Species Composition 70% pinks

Timing Middle to late

Schooling areas None off mouth - in the bay is best area.

Shellfish Potential None

Sport Fisheries Very little for coho

Land Use at Present None

History of Land Use None

Rehabilitation Potential Very little - stream too short for any extensive use.

Soils Stream banks stable. Areas of bedrock present in lower part.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	25
	Number of droppings	2
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles-	Number seen along creek	2
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	0
	Estimate depth out from beach	0
	Est. grass present on what percent of flats	0

Observers: Westlund - Joyner
Date: 10-3-73

Temperature:

Weather: Overcast - rain

General Remarks (rehab., land use, barriers, log jams, etc.):

PEAK ESCAPEMENT RECORD

NAME: Dora Creek

STREAM CATALOG NUMBER: 102-40-33

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 5, 1930				Well seeded. 5,000 chum, coho, and pink in stream (G)
Sept. 15, 1941				200,000 chum, coho and pink in bay, stream and K 147
Sept. 29, 1948	6,000	600		Good. 1,000 off mouth (G)
Sept. 10, 1952	35	20		(G)
July 12, 1953				Nothing in stream. About 1,000 red in entire bay (G)
Sept. 17, 1953	8	30	1 coho	Poor. 90% fish bright (G)
Sept. 28, 1955	10,000	2,000		(G)
Sept. 2, 1956				25,000 pink at mouth
Sept. 4, 1956	15,000			
Sept. 21, 1957	5,000	20,000		Good
Aug. 22, 1963				500 fish at mouth. Nothing intertidally (A)
Aug. 29, 1964	N.O.			(F)
Sept. 12, 1966	200			Vis. Excellent (H)
Aug. 23, 1967	N.O.			Vis. good (A)
Aug. 28, 1969	N.O.			(F)
Aug. 26, 1970	800			Vis. good (A)
July 10, 1973	N.O.			Vis. good (A)

102-40-33A
#103
Westlund
10-10-73

About 4' wide - thick brush along banks. Stream is rocky and falls fairly fast in elevation. Log jam barrier 75' from high tide. No tide flat. No fish observed.

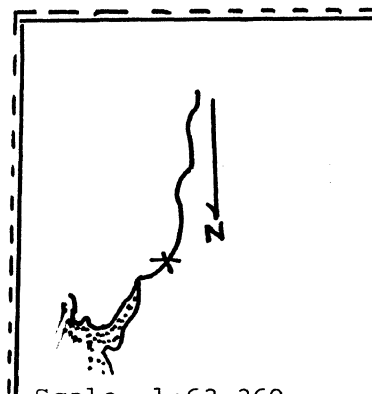
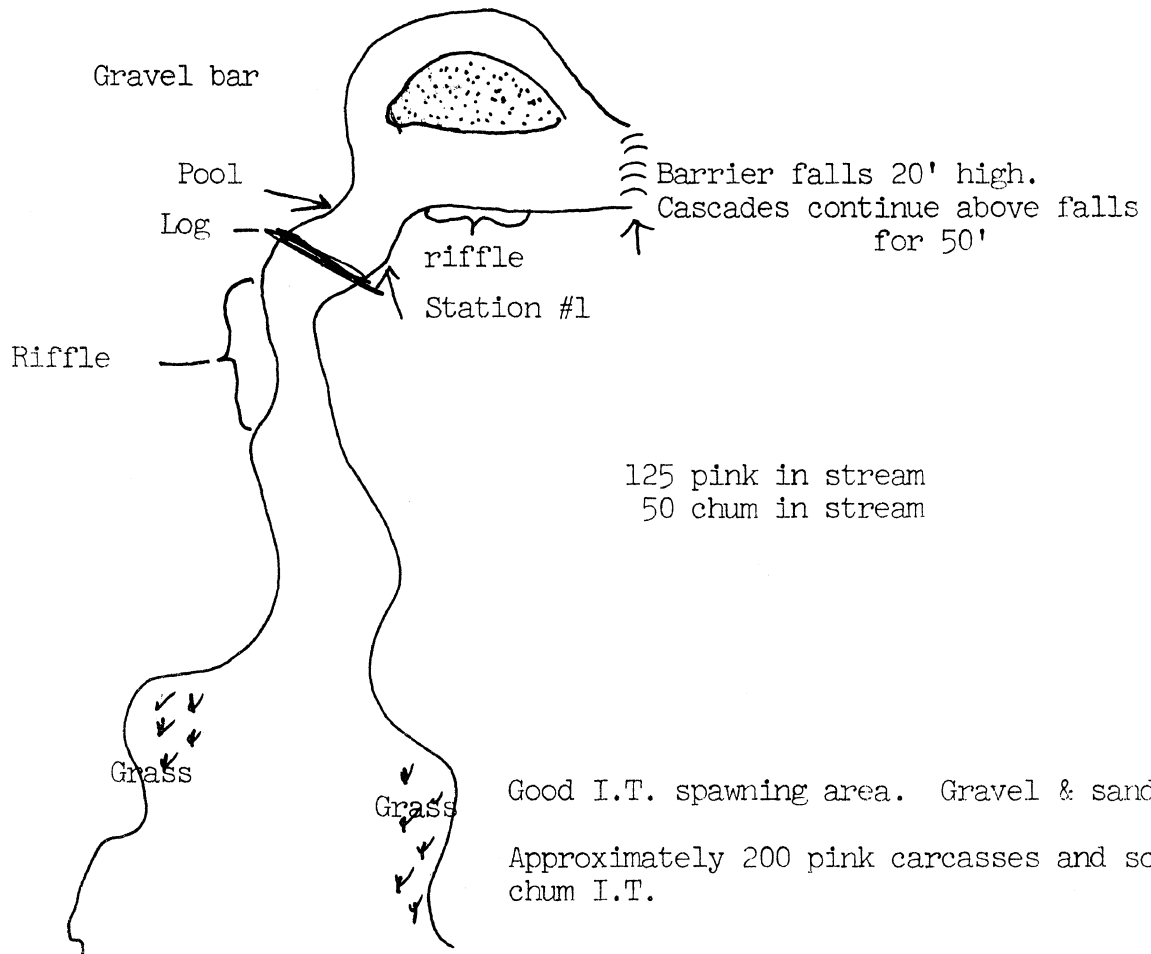
Available spawning area - 17 M²

102-40-33B
#104
Westlund
10-10-73

Stream 8' wide, falls rapidly in elevation. No
fish observed. Barrier to pinks above high tide.

102-40-35
 Dora Bay
 stream half way down bay on right.
 10-11-73
 Westlund

Good spawning gravel in stream below
 falls. Banks are away from stream.
 Timber is good.



Name _____ Catalog No. 102-40-35
Latitude 55° 11' 30" WR No. 132-B
Longitude 132° 15' 39" K No. K 149
Geodetic Map No. Craig - A-1 Work Area _____
Location Chomly Sd. Dora Bay W. Shore Watershed Length 1.8 miles
Drainage Area of Watershed 1.9 sq. miles (Polor P.)
Water Supply Type Precip.

Trails & Survey Routes No trails. During high tide, boat can be taken up.

Aerial Survey Notes Barrier falls about 120' above H.T. mark.

Anchorage In bay. No anchorage close to stream.

Tide Stage When Surveyed mid tide - falling.

FISHERY RESOURCES

Commercial Fisheries Pink, chum.

Escapement Pink 125 live, 300 dead; 50 live chum. 1973. Past records inadequate.

Available spawning area - 306 M²

Species Composition Not known.

Timing Late

Schooling areas In bay. Possible limited schooling in tidal area at high tide.

Shellfish Potential Some. Clam shells seen, but extent of beds not known.

Mud and sand I.T. area.

Sport Fisheries None

Land Use at Present None

History of Land Use None

Rehabilitation Potential Some spawning area above falls. Barrier is 10-14' high.

Soils Bedrock present in several areas.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	50
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	11
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	2
Bald Eagles-	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	1/4 mile
	Estimate depth out from beach	15 ft.
	Eel grass present on what percent of flats	20%

Observers: Westlu - Joyner

Date: 10-4-73

Temperature:

Weather: Overcast w/ rain

Name:

Number: 102-40-35

[illegible]

General Remarks (rehab., land use, barriers, log jams, etc.):

PEAK ESCAPEMENT RECORD

NAME: Dora Bay, W. shore 1.2 miles from head

STREAM CATALOG NUMBER: 102-40-35

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 29, 1948	2,300	500		Fair. 200 fish off mouth (G)
Sept. 10, 1952				No fish present (G)

- 73 -

102-40-39
#110
Westlund
10-11-73

Large log jam barrier at high tide mark. No fish - no carcasses. Stream about 3' wide - very shallow.

102-40-41
#109
South Arm
Westlund
10-11-73

Stream is about 6' wide and has a barrier falls 20' above high tide mark. 5 chum in pool below falls. 2 or 3 pink carcasses on flat. Stream above falls is a series of small rapids. Stream flows through steep-sided canyon with bedrock.

Available spawning area - 6 M²

NAME: Dave Drewery Creek

NAME: Dave Drewery Creek

STREAM CATALOG NUMBER: 102-40-41

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 11, 1961		50		All old. (F)
Aug. 20, 1973				800 chum intertidally. Vis. excellent (A)

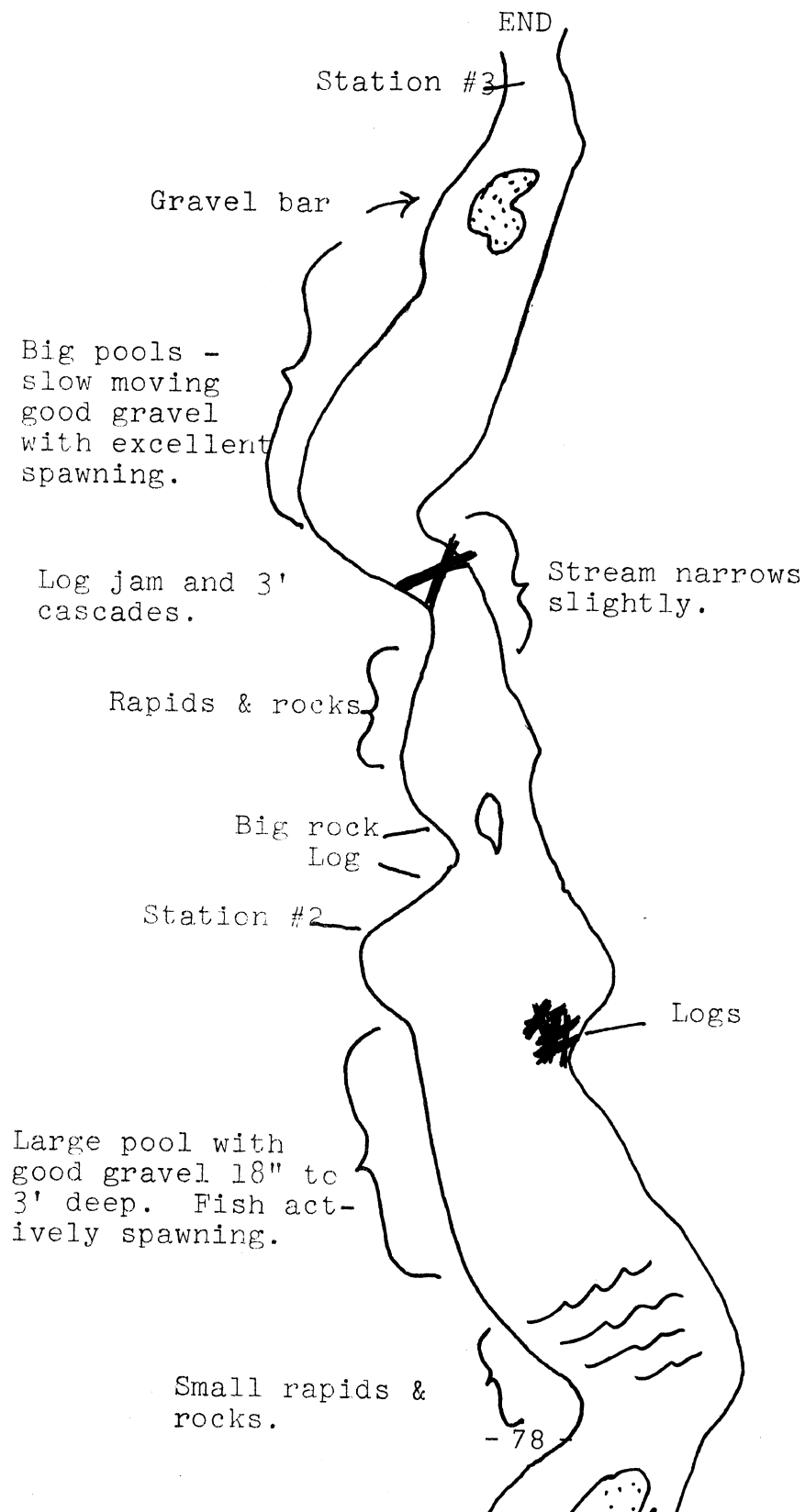
- 76 -

102-40-42
#111
Westlund
10-11-73

Large log jam on flats - probably covered at high tide.
Jam extends up into first part of stream. Stream is
about 5' wide and very shallow. About 50 yards upstream
there is a log barrier. Stream drains logged area. No
fish observed. 1 seal observed.

Available spawning area - 42 M²

13-14,000 chum in stream.
Many, many carcasses.
Spawning area - 65+%



Good spawning area
chums actively spawn-
ing.

Gravel bar & rocks

Good spawning areas

Logs

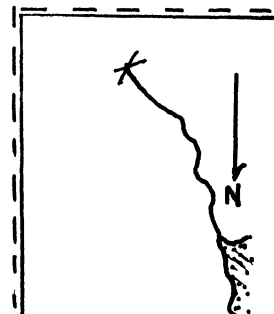
Stream narrows - still
very fast with small rapids

Boulders and small rapids.
Little streams go through
some brush. Stream is very
fast and rising.

Station #1

Gravel bar

Weir cabin



Name Disappearance Creek Catalog No. 102-40-43
Latitude 55° 8' 50" WR No. 134
Longitude 132° 19' 52" K No. K150
Geodetic Map No. Craig - A-1 Work Area _____
Location Cholmly. Sd. H. So. Arm. Watershed Length 1.1 miles
Drainage Area of Watershed 2.08 sq. miles
Water Supply Type Spring fed; note discrepancies in flow measures. B.D.

Trails & Survey Routes Old brushed over trail on left of stream, not in use. Hard walk up stream bed.

Aerial Survey Notes Stream banks brushy - visibility fair to poor.

Anchorage Out in bay, good anchorage so. of small island.

Tide Stage When Surveyed mid tide - falling

FISHERY RESOURCES

Commercial Fisheries Chum, pink

Escapement 10-10-73 14,000 chum in stream.

Available spawning area - 8,152 M²

Species Composition varies some but predominantly chum.

Timing Late

Schooling areas off mouth of stream in bay and in pools in upper area.

Shellfish Potential very little - small mud flat on left of stream mouth.

Sport Fisheries none

Land Use at Present ADF&G weir site.

History of Land Use _____

Rehabilitation Potential No work required in stream.

Soils Stable - banks are low and gently sloped.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	many
	Number of droppings	many
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ----	Number seen on tide flats	0
	Number seen up creek	2
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles--	Number seen along creek	10
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	1
Tide flats -	Estimate length along beach	150 yds
	Estimate depth out from beach	15
	Eel grass present on what percent of flats	5%

PEAK ESCAPEMENT RECORD

NAME: Disappearance Creek

STREAM CATALOG NUMBER: 102-40-43

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 20, 1939				Poor. Few hundred in stream. Pink off mouth (G)
Oct. 3, 1941	16,000	4,000		Excellent. 5,000 fish off mouth(G)
Sept. 23, 1942	200	1,800		Excellent. 1,500 fish off mouth(G)
Sept 30, 1943	15,000	10,000		Good. 2,000 fish off mouth (G)
Oct 5, 1946	6,000	6,000		Good. 3,000 fish off mouth (G)
Oct. 3, 1947	90,000	10,000		Excellent 150,000- fish off mouth (G)
Sept. 29, 1948	3,600	3,000		Good, 30,000 fish off mouth (G)
Sept. 30, 1949		20,638		25,000 fish off mouth (G)
Oct. 8, 1949	7,900			Majority of chum dead. 5,000 off mouth (G)
Oct. 6, 1950	625	17,625		10,000 chum off mouth (G)
Sept. 28, 1951		18,600		25,000 chum and over 5,000 pink in bay (G)
Oct. 5, 1952		33,700		5,000-8,000 chum off mouth (G)
Sept. 25, 1953		35,000		Stream high. 8,000-10,000 at mouth (G)
Oct 7, 1953	4			3,000-4,000 chum at mouth (G)
Sept. 28, 1954		9,600		Several pink. 2,000 chum, few pink at mouth (G)
Sept. 15, 1955		60,200		(G)
Sept. 25, 1955	5,000			Several thousand at mouth (G)
Sept. 29, 1956		13,000		4,000 chum at mouth (G)
Sept. 29, 1957		12,000		1,500 chum at mouth
Sept. 20, 1958		8,000		Some live pink. 5,000 at mouth (A)
Sept. 20, 1959		7,500		(G)
Sept. 29, 1960		3,500		250 chum at mouth (G)
Sept. 20, 1961		5,100		1,000+ - most spawning - well spread (A)

PEAK ESCAPEMENT RECORD

NAME: Disappearance Creek

STREAM CATALOG NUMBER: 102-40-43

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
1961-Weir Count	1,365	20,285		Total accumulative Weir Count
1962-Weir Count	143	23,799		Total accumulative weir count
Sept. 18, 1963		9,000 (Weir)		2-3,000 chum at the mouth (F)
Sept. 24, 1964				10,000 chums schooled at the mouth (A)
Sept.16-Oct.12, 1965	488	25,590		Total accumulative Weir Count
Sept.14-Oct.5, 1966	295	25,005		Total accumulative Weir Count
Sept.13-Oct.5, 1967	68	24,947		Total accumulative Weir Count
Sept. 18, 1968		7,000		12-15,000 fish at mouth and 600 intertidally. Vis. excellent in stream and mouth. Few scattered jumps in South Arm. (A)
Aug.26-Oct. 10, 1969	1,169	12,411		Total accumulative Weir Count
Sept.9-Sept.30 1970	86	8,373		Total accumulative Weir Count
Sept.15-Oct.14, 1971	445	2,186		Total Accumulative Weir Count
Sept.12-Oct.17, 1972	1,829	63,752		Total Accumulative Weir Count
Sept. 6-Oct.18, 1973	3,102	55,306		Total Accumulative Weir Count
Sept.10-Oct.8, 1974	374	43,024		Total Accumulative Weir Count

#206

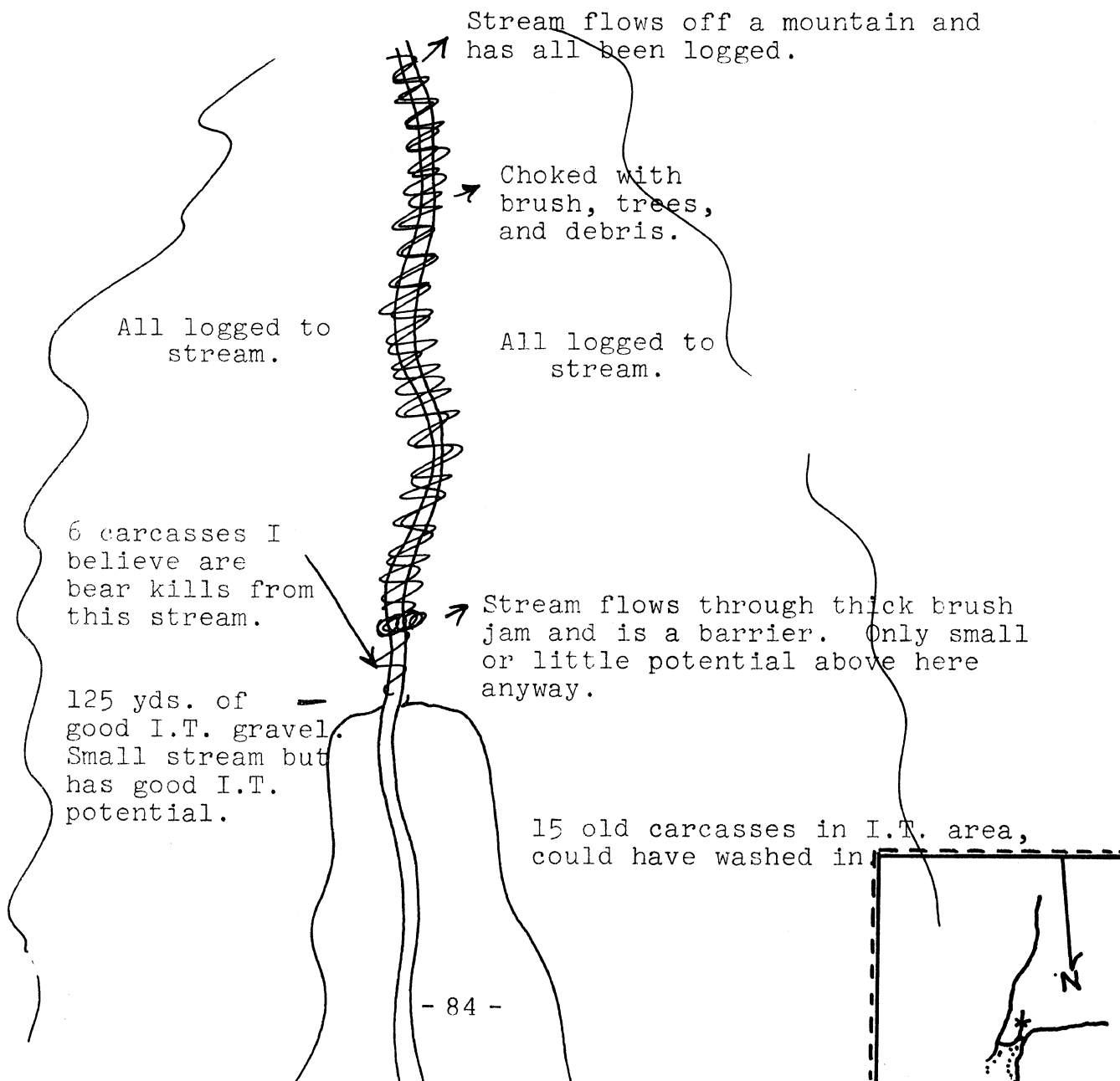
So. Arm, Cholmondeley Sd.

10-5-73

102-40-46

Small stream not shown on the topographical charts.

Even though this is a small stream it does have very good intertidal possibilities.



Name _____ Catalog No. 102-40-46
Latitude N 55° 07' 52" WR No. _____
Longitude W 132° 21' 20" K No. _____
Geodetic Map No. Craig A-2 Work Area Ketchikan
Location Cholmondeley - So. Arm Watershed Length _____
Drainage Area of Watershed _____
Water Supply Type Precipitation - runoff and probably springs.

Trails & Survey Routes No trails - Stream is choked with logging debris just above the high tide line.
Aerial Survey Notes Could survey the intertidal zone o.k. but so much debris in the upper stream, you couldn't even see any water.
Anchorage Off the mouth of Dissappearance Creek, or south of small island lying between Dissappearance Creek and Stream #102-40-47
Tide Stage When Surveyed Low tide.

FISHERY RESOURCES

Commercial Fisheries None recorded

Escapement 6 chum on 10-5-73

Species Composition Available spawning area - 209 M²
100% chum

Timing Late

Schooling areas Off the mouth

Shellfish Potential Limited to clams in the intertidal area.

Sport Fisheries None

Land Use at Present None

History of Land Use This stream has been logged to its banks..

Rehabilitation Potential None. Intertidal area is o.k. even though the upper stream is choked with logging debris it doesn't have much anyway
Soils Hard to tell as you can hardly see the stream at all above the high tide line. Steep gradient upstream and could be some slumpage.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	3-4
	Number of droppings	few
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles-	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	4
Tide flats -	Estimate length along beach	small flats
	Estimate depth out from beach	-
	Eel grass present on what percent of flats	-

Observers: Downey, Smith
Date: 10-5-37
Temperature: _____
Weather: Overcast - show

Number: 102-40-46

[illegible]

General Remarks (rehab., land use, barriers, log jams, etc.):

Opt. Esc. 418 (8'W, 375'L, 75% ASA)

PEAK ESCAPEMENT RECORD

NAME: Cholmondeley

STREAM CATALOG NUMBER: 102-40-46

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 26, 1966	50	450		Carcasses present (F)
Aug. 26, 1968				300 fish at mouth. Vis. good (A)
Aug. 28, 1969	N.O.			(F)
Aug. 26, 1970				7 schools at end of West Arm (10,000) Vis. good (A)
Aug. 26, 1971				2,000 fish intertidally (A)
Oct. 8, 1971	425	100		(F)
Aug. 30, 1972				5,000 chum (?) intertidally. Vis. fair (A)

102-40-47
So. Arm, Cholmondeley
10-5-73

→ Continues
steeply

→ Continues
steeply

Not much potential on the forks -
but could be utilized a little.

1/2 mile above
I.T. - stopped
here. 50%
usable spawning
area between
Station #2 and
where we stopped.

Gradient steeper - stream smaller. Still
has good gravel.

- ②

Stream banks stable
- no soils pro-
blem.

Braided area {

25 live chum

← 1' falls over log - No fish or evidence
of any fish was seen above this log --
no barrier.

- Excellent gravel to here.
90% usable spawning area.

Braided area {
lots of brush
and windfalls.

87 live pink
140 live chum

Excellent I.T. gravel,
apparently a large number of fish
here as there are several hundred
carcasses on the flats.

80 live pink
32 live chum
1 live sockeye

Name _____ Catalog No. 102-40-47
Latitude N 55° 07' 52" WR No. _____
Longitude W 132° 21' 22" K No. 151
Geodetic Map No. Craig A-2 Work Area Ketchikan
Location Cholmondeley - South Arm Watershed Length _____
Drainage Area of Watershed _____
Water Supply Type Precipitation - runoff and probably springs. Snowfield lies in S.E. corner of the valley.
Trails & Survey Routes No trails - travel is easy along the stream bed.

Aerial Survey Notes It would be difficult to survey any but the intertidal area due to the overstory along the stream.
Anchorage Off the mouth of Disappearance Creek, or south of small island lying between Disappearance and this stream.
Tide Stage When Surveyed 1/3 tide and flooding.

FISHERY RESOURCES

Commercial Fisheries pink and chum (also saw 1 sockeye)

Escapement 80,000 pink and 20,000 chum 10-3-47 : 50,000 chum 10-1-59

Available spawning area - 1,756 M²

Species Composition Predominantly pink salmon in the earlier years but has now switched to produce more chum than pink salmon.

Timing Late.

Schooling areas Off the mouth and a couple of holes in the intertidal area.

Shellfish Potential Not much being limited to a few clams in the intertidal area.

Sport Fisheries None

Land Use at Present None

History of Land Use None

Rehabilitation Potential None. Very good stream with very good gravel. No barriers to the upper limits of good spawning area.

Soils Slight gradient with good timber along portions of the stream and stable stream banks.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	many old
	Number of droppings	some
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles-	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	2
Tide flats -	Estimate length along beach	100 yards
	Estimate depth out from beach	20 yards
	Eel grass present on what percent of flats	-

Observers: Downey, Smith

Date: 10-5-73Temperature:

Weather: Overcast - showers

Name:

Number: 102-40-47

Station No.	1	2
Pool Size/Type	3/2	2/2
Riffle Type Width - Depth	W 22'	W 13'
Pool Riffle Frequency	3	3
Bottom Type (Riffle)	4	4
Color/Turbidity	1	1
Velocity	2	2
Flow (C.F.S.)	14.4	-
Temp., ($^{\circ}$ F.)	44 $^{\circ}$	44 $^{\circ}$
H	5.0	5.0
Hy Abundance	-	-
Benthos Sample No.	-	-
Higher Plant Class	1	1
Aquatic Veg. Density Ident. (1) Mosses (2) Algae	2 / 3	2 / 3

General Remarks (rehab., land use, barriers, log jams, etc.):

PEAK ESCAPEMENT RECORD

NAME: Cholmondeley Sound, South Arm, S.W. head

STREAM CATALOG NUMBER: 102-40-47

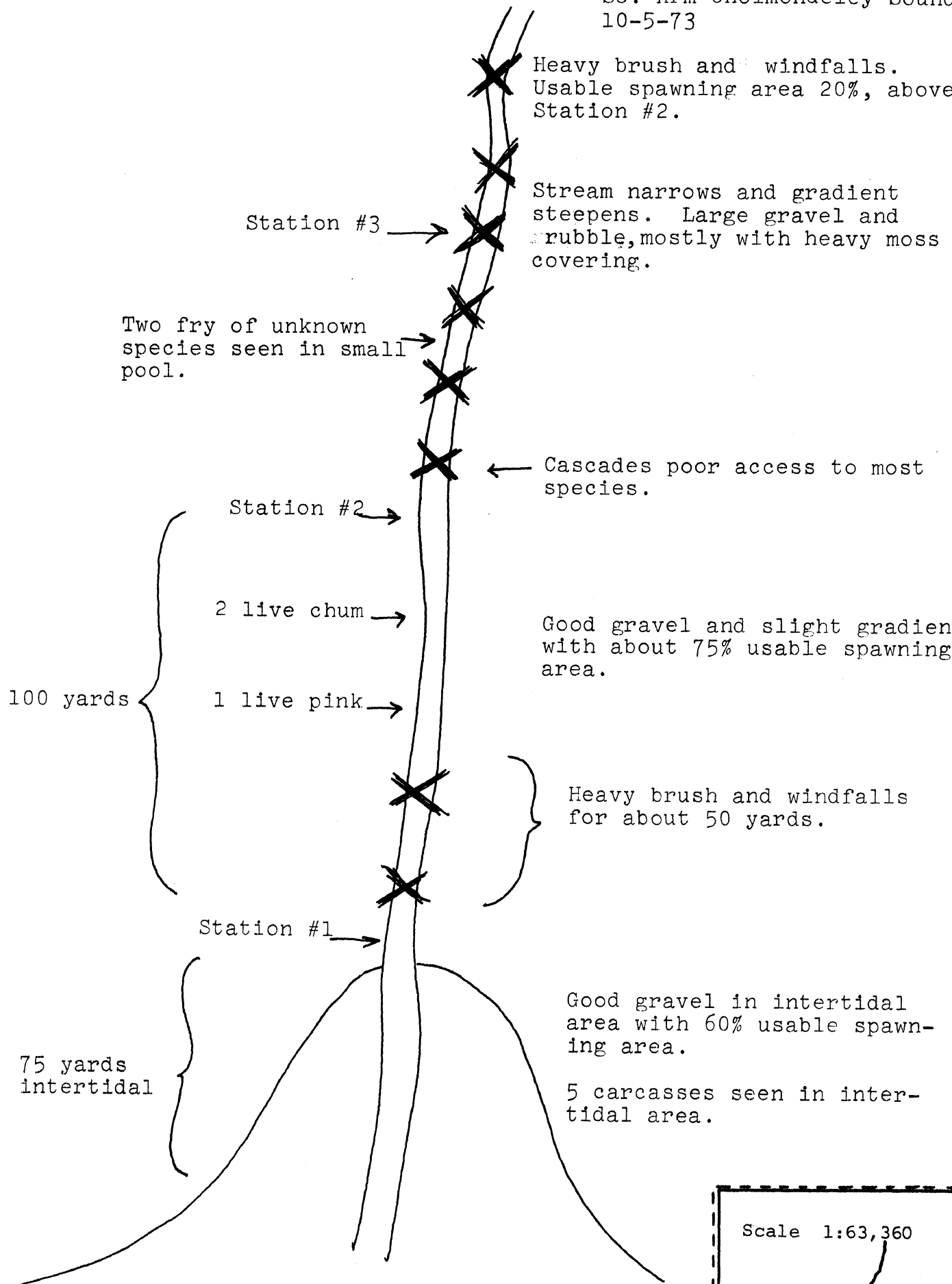
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 20, 1939				Poor. Few hundred in stream. Pink schooled in bay.
Oct. 3, 1941	12,000	3,000		Excellent (G)
Sept. 23, 1942	200	2,300		Excellent. 3,000 fish off mouth (G)
Sept. 30, 1943	10,000	5,000		Fair. 1,000 fish off mouth (G)
Oct. 5, 1946	2,500			Good. 1,000 fish off mouth (G)
Oct. 3, 1947	80,000	20,000		Good. 10,000 fish off mouth (G)
Sept. 29, 1948	2,000	3,000		Good. 1,500 fish off mouth (G)
Oct. 8, 1949	1,000	1,000		No fish off mouth (G)
Sept. 20, 1952	0	100		200 chum at mouth (G)
Sept. 18, 1953		1,500		Stream 3-6" above normal. Dead predator kills (G)
Sept. 4, 1954				Stream low (A)
Oct. 1, 1954		50,000		(G)
Sept. 6, 1954				None at mouth (A)
Sept. 16, 1954	1,000	80		300 fish intertidally. Vis. good (F)
Oct. 11, 1954	100	85		400 dead pink, 400 dead chum (F)
Aug. 19, 1955	15,000			15,000 fish intertidally. Vis. good. (H)
Sept. 5, 1955	2,000			Vis. poor (A)

102-40-48
South Arm Cholmondeley Sound
Downey, Smith
10-5-73

N 55° 10' 08"
W 132° 21' 21"

Very small stream flowing off a mountain through a logged area. Extremely poor potential - probably none.

102-40-49
So. Arm Cholmondeley Sound
10-5-73



Scale 1:63,360



Name _____ Catalog No. 102-40-49
Latitude N 55° 11' 49" WR No. _____
Longitude W 132° 20' 37" K No. _____
Geodetic Map No. Craig A-2 Work Area Ketchikan
Location Cholmondeley - So. Arm Watershed Length _____
Drainage Area of Watershed _____
Water Supply Type Precipitation and runoff, probably springs also.

Trails & Survey Routes Difficult walking - walk up the stream.

Aerial Survey Notes Too small with too much overstory to survey above the intertidal zone.

Anchorage Off the mouth of Dissappearance Creek, or south of small island lying between Dissappearance Creek and Stream # 102-40-47

Tide Stage When Surveyed 3/4 tide and flooding.

FISHERY RESOURCES

Commercial Fisheries Pink and chum

Escapement No past escapement data: 7 chum and 1 pink 10-5-73

Available spawning area - 702 M²

Species Composition 90% chum, 10% pink

Timing Late

Schooling areas Off the mouth and a couple of pools above the IT. area

Shellfish Potential Almost zero - very rocky intertidal zone.

Sport Fisheries None

Land Use at Present One small plot of timber is scheduled to be taken out of the south side of the stream starting just above the I.T. zone.

History of Land Use None

Rehabilitation Potential None. Don't believe there is too much fishery potential here (although there is some). Small stream with steep gradient

Soils above I.T.

Generally pretty good and stable - stream banks are stable.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles--	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	1
Tide flats -	Estimate length along beach	30 yds.
	Estimate depth out from beach	10 yds.
	Eel grass present on what percent of flats	-

Observers: Downey, Smith
Date: 10-5-73

Temperature:

Weather: Overcast - showers

eral Remarks (rehab., land use, barriers, log jams, etc.):

Water level normal.
Tide - 1st 1/4 of flood

102-40-50
South Arm Cholmondeley Sound
Downey, Smith
10-5-73

N 55° 12' 43"
W 132° 19' 18"

This is a very small creek with a falls off the mouth and no intertidal area. No potential.

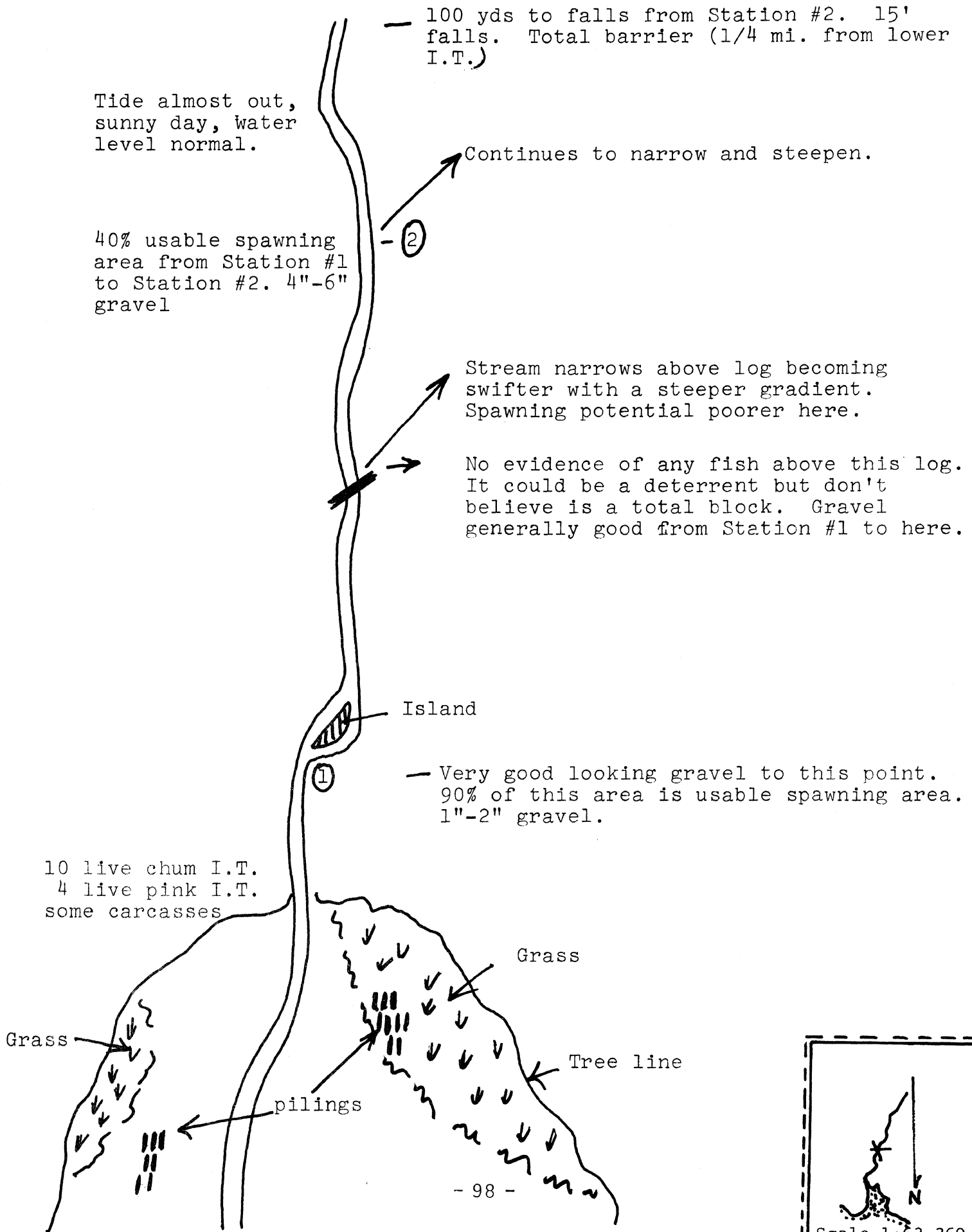
102-40-51
South Arm Cholmondeley Sound
Downey, Smith
10-5-73

N 55⁰ 14' 07"
W 132⁰ 17' 58"

This is a very small stream with very poor potential. Twenty-five yards of poor intertidal area has a 3' falls at the tide line which creates a block except at very high tides. Steep gradient about intertidal area.

Cannery Creek
102-40-52
W. Arm Cholmondeley Sound
10-5-73

The most and best spawning area on the stream is the intertidal area to its upper limits.



Name Cannery Creek Catalog No. 102-40-52
 Latitude N 55° 14' 37" WR No. _____
 Longitude W 132° 19' 30" K No. 152
 Geodetic Map No. Craig A-1 Work Area Ketchikan
 Location Cholmondeley - West Arm Watershed Length _____
 Drainage Area of Watershed _____
 Water Supply Type Precipitation - runoff and probably springs.

Trails & Survey Routes No trails - walk up the center of the stream.

Aerial Survey Notes Should be surveyed via helicopter with the exception of the intertidal zone.

Anchorage Off the mouth of Lagoon Creek.

Tide Stage When Surveyed 1/3 and ebbing.

FISHERY RESOURCES

Commercial Fisheries Pink and chum

Escapement 4,500 pink and 1,500 chum on 9-26-45

Available spawning area - 2,913 M²

Species Composition 75% pink and 25% chum

Timing Late

Schooling areas Off the mouth

Shellfish Potential Probably good for clams - large tide and mud flats.

Sport Fisheries Unknown = probably none

Land Use at Present None

History of Land Use None

Rehabilitation Potential Probably none. Barrier 1/4 mile above I.T. and stream narrows and becomes steeper here. Best potential is to

Soils the extreme upper I.T.

Stream banks are stable to the falls.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	a few
	Number of droppings	some - 1 bear
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles-	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	200 yards
	Estimate depth out from beach	10 yards
	Reel grass present on what percent of flats	-

Observers: Downey, Smith
Date: 10-5-73

Temperature: _____
Weather: Overcast - showers

[illegible]

PEAK ESCAPEMENT RECORD

NAME: Cannery Creek

STREAM CATALOG NUMBER: 102-40-52

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 30, 1930				Stream at flood. Good indications of a good run
Sept. 24, 1940	4,000			Good (G)
Oct. 3, 1941	4,000			Excellent. 1,500 fish off mouth(G)+
Sept. 23, 1942	500	2,500		Fair. 3,000 fish at mouth (G)
Sept. 26, 1945	4,500	1,500		Excellent. 10,000 fish at mouth(G)
Oct. 5, 1947				Good pink, chum escapement (G)
Sept. 29, 1948	2,000	2,000		Excellent. 2,000 fish at mouth
Sept 12, 1952				No fish present (G)
Sept. 10, 1953	200	450		Poor to fair. About 300 salt water, 95% fresh (G)
Sept. 17, 1957		250		800 chum at mouth
Oct. 11, 1961		75		All spawning (G)
Sept. 6, 1962				100 fish at the mouth (A)
Sept. 18, 1963				7 pink and 9 chum at mouth. Vis. good (F)
Sept. 16, 1965				150 pink and 100 chum present intertidally. Stream almost dry(A)
Sept. 7, 1966				300 fish intertidally (A)
Aug. 20, 1970	4,000			Vis. fair (A)
Aug. 26, 1971				2,000 fish intertidally (A)
Aug. 29, 1972				3,000 fish intertidally. Vis. good (A)
Aug. 12, 1973				6-7,000 fish intertidally. Vis. good (A)
Aug. 28, 1974	-----3,000-----			Vis. excellent (A)

Tom Creek
102-40-57
Downey, 1974

As our original data has been misplaced, I'm pulling the following data for Tom Creek out of my head as I can recall it.

I recall this stream fairly well as it has a rocky I.T. zone and just above the I.T. zone the stream steepens rapidly and is composed mostly of pools and bedrock. The stream is fair in size (30 ft. wide above I.T.) with moderate flow. Due to its steepness it would have access for salmon for only about 100 yards above the I.T. zone.

With this limited access and little spawning potential the old escapement figures of 50-100,000 fish are very confusing to me.

This is a steep valley so stream bank slumping could be a real problem. I can't recall the timber potential of this area.

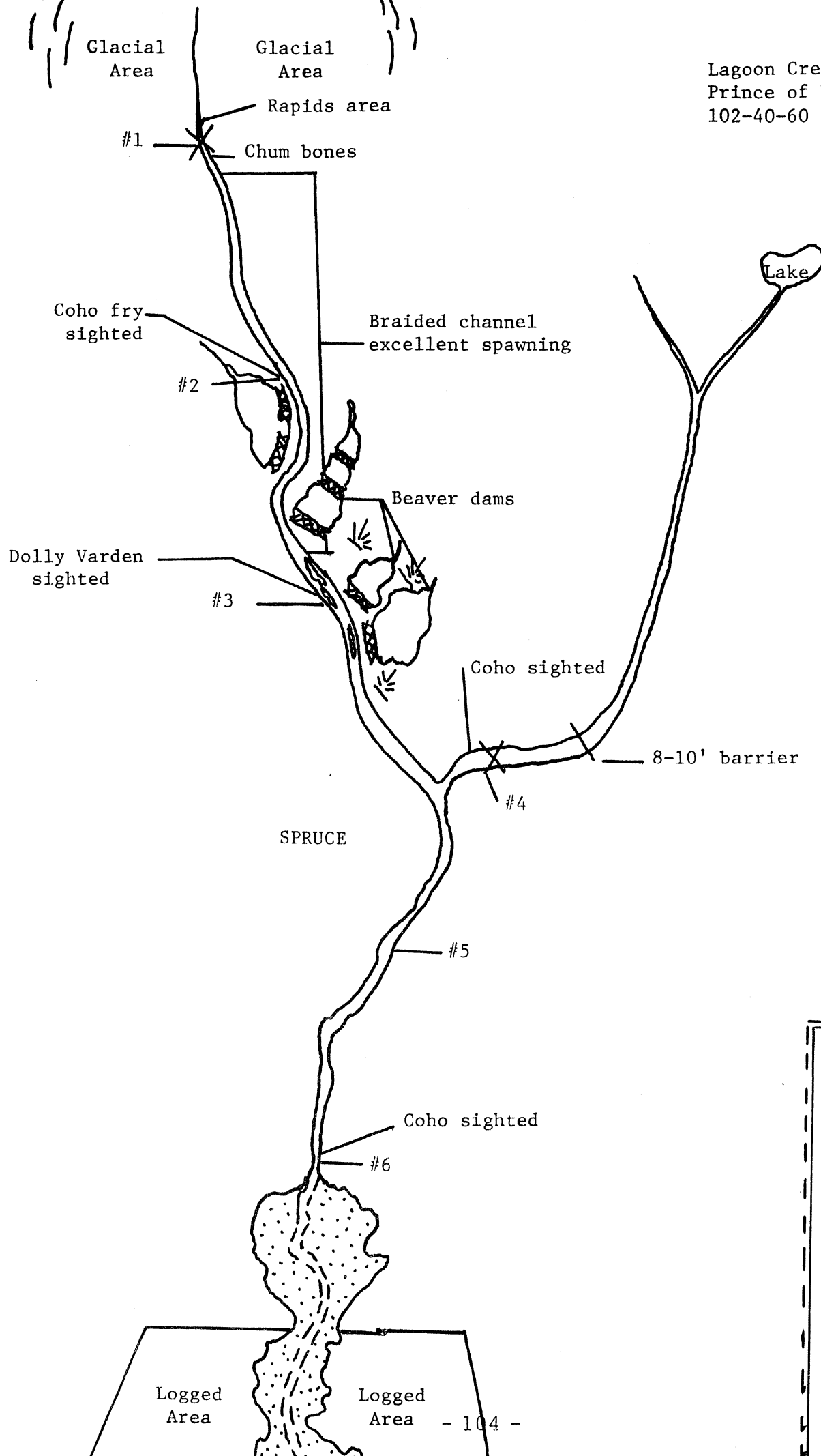
PEAK ESCAPEMENT RECORD

NAME: Tom Creek

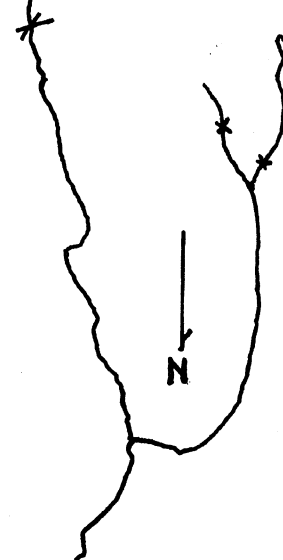
STREAM CATALOG NUMBER: 102-40-57

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 6, 1937	75,000	25,000		Very good. Several thousand at mouth (G)
Sept. 24, 1940	50,000			Excellent (G)
Oct. 3, 1941	100,000	15,000		Excellent. 10,000 at mouth (G)
Sept 22, 1942	35,000	25,000		Excellent. 40,000 at mouth (G)
Sept 26, 1945	15,000	35,000		Excellent. 20,000 at mouth (G)
Sept 29, 1948	100	250		Excellent. 1,000 fish off mouth (G)

Lagoon Creek
Prince of Wales Island
102-40-60



Scale 1:63,360



Name Lagoon Creek Catalog No. 102-40-60
Latitude N. 55° 14' 03" WR No. _____
Longitude W. 132° 23' 46" K No. 154 (previous number 136)
Geodetic Map No. Graig - A-2 Work Area Ketchikan
Location Cholmondeley Sound Watershed Length 2.8 miles
Drainage Area of Watershed 6.88 sq. miles
Water Supply Type Small glacial field - runoff and springs; small lake on right fork at head.
Trails & Survey Routes Walk east side of bay if at high tide. Walk near or in stream above bay. Relatively easy walking.
Aerial Survey Notes Water colorless but braided channels; alder overhands channel in upper 1/4 portion of stream.
Anchorage Off mouth and between island in 10-15 fathoms. For bigger boat type - good anchorage.
Tide Stage When Surveyed 2nd half ebb

FISHERY RESOURCES

Commercial Fisheries Pink, chum and coho

Escapement 1972 - 1965 - average peak escapement pink and chum - 15,000, coho escapement 500 (1972). Available spawning area - 36,683 M²

Species Composition Chum and pink 95%, coho 5%.

Timing Late for chums (Sept. and October), pinks September

Schooling areas Off mouth of Bay between island and mouth.

Shellfish Potential Dungeness crabs off mouth of bay. Entire bay area high clam producer, shrimp in West Arm.

Sport Fisheries Dolly Varden, coho, cutthroat.

Land Use at Present None; but Cholmondeley scheduled for 7 independent sales - 1977 presently under I.D.T. study.

History of Land Use Both sides bay have been logged within last 15 years.

Rehabilitation Potential None necessary if watershed is not logged.

Soils Stable except in headwaters area where slides from ridge have swept to stream - mainstream.

GAME RESOURCES

Bear -----	Fish carcasses or bones (<u>old</u> or fresh) on banks, estimate	100
	Number of droppings	0
Geese -----	Number seen on tide flats	10
	Number seen up creek	2
	Number of broods seen	0
Mallards ----	Number seen on tide flats	25
	Number seen up creek	0
	Number of broods seen	0
Mergansers --	Number of broods seen	0
Bald Eagles--	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats --	Estimate length along beach	1/4 mile
	Estimate depth out from beach mouth	15 feet
	Eel grass present on what percent of flats mouth	< 5%

PEAK ESCAPEMENT RECORD

NAME: Lagoon Creek

STREAM CATALOG NUMBER: 102-40-60

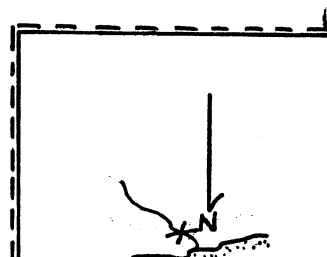
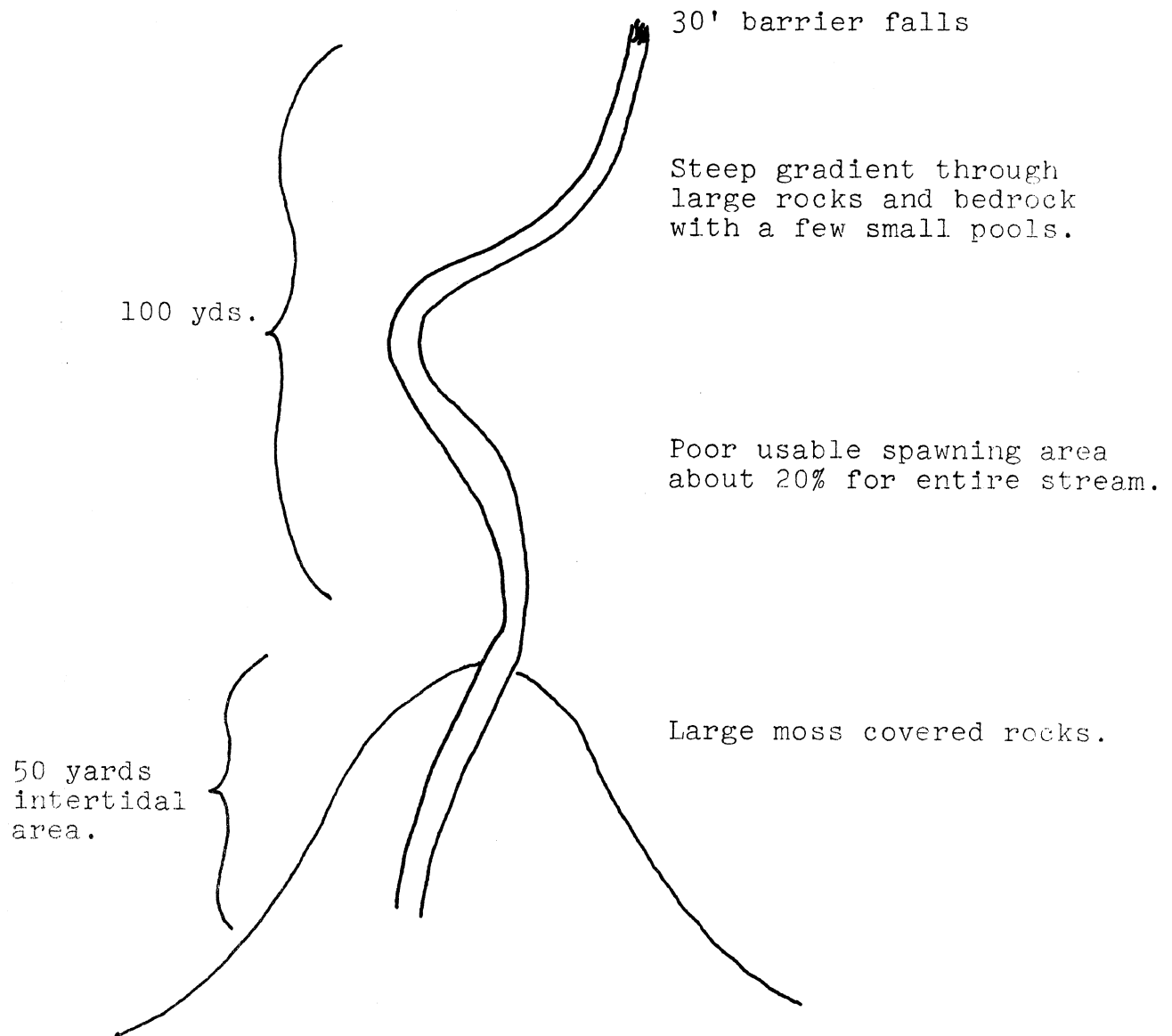
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Season, 1935				Poor escapement
Season, 1936				Good escapement
Season, 1937				Poor escapement
Season, 1938				Good escapement
Sept. 20, 1939				5,000 in stream. Several schools at mouth
Oct. 5, 1946	13,000	12,000		Good. 5,000 fish in bay (G)
Oct. 5, 1947				Many chum in bay. Good escapement of chum and pink. (G)
Sept. 29, 1948	7,450		315 coho, 16 red	Good. 30,000 off mouth (G)
Oct. 5, 1948		20,000		Good (G)
Sept. 27, 1950				Estimated 5,000 fish, presumably chum (A)
Sept. 20, 1951	3,700		Some coho, 2 red	4,000 pink, 20,000 chum off mouth (G)
Sept. 28, 1951		3,700		Few dead pink. Poor visibility. Water rising rapidly. Poor count (G)
Oct. 5, 1952	75	5,700	150 coho	Few dead pink (G)
Sept. 25, 1953	1,500	8,000		1,500 fish in lagoon (G)
Oct. 7, 1953			350 coho, 1 red	2,000-4,000 at mouth (G)
Sept. 24, 1954	2,000	3,100		(G)
Sept. 26, 1955	10,000	10,000		
Sept. 29, 1956	13,000	>2,000		Some dead chum, pink. 20,000 chum at mouth. 10,000 chum above marker (A)
Sept. 15, 1957	200			715,000 chum at mouth (A)
Sept. 29, 1957		16,000		2,000 at mouth
Sept. 7, 1958	200			Good visibility. 200 schooled off mouth (A)
Sept. 20, 1958		4,600		8,000-10,000 schooled at mouth (A)
Aug. 18, 1961	20			50 at mouth - water low (A)
Sept. 20, 1961		3,200		1,000 at mouth - fish well spread

PEAK ESCAPEMENT RECORD

NAME: Lagoon Creek

STREAM CATALOG NUMBER: 102-40-60

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 6, 1961		3,100		1,500 salmon at the mouth (A)
Oct. 4, 1962	2,700	4,200	300 coho	(F)
Aug. 29, 1963	----10,400----			Nothing intertidally (A)
Sept. 24, 1964	----5,300----			Vis. fair. 5,000 fish were present intertidally (A)
Sept. 13, 1965	----1,800----			1,500 fish intertidally. Vis. good. Beaver dams (A)
Sept. 7, 1966	5,700			11,200-13,200 fish intertidally Vis. good to fair (A)
Sept. 12, 1966		400		15,300 fish intertidally. Vis. fair but excellent at stream mouth (A)
Sept. 19, 1967	1,060		10 coho	Vis. good (F)
Oct. 2, 1967		2,900		700 fish intertidally. Vis. good (A)
Sept. 18, 1968	13,000	2,000		Good show of jumps at mouth (A)
Sept. 3, 1969	5,000			6,000 fish intertidally. Some dogs (F)
Sept. 8, 1970	6,000			8,000 fish intertidally (H)
Aug. 14, 1971	----49,000----			Good showing off mouth. Vis. poor (A)
Sept. 5, 1972	----22,800----			Vis. good (H)
Aug. 29, 1973	----25,000----			Vis. fair (A)
Sept. 5, 1974	23,000			Vis. poor (A)
Oct. 4, 1974		12,000	100 coho	Good distribution (F)



Name Tom Creek Catalog No. 102-40-67
Latitude N 55° 15' 12" WR No. _____
Longitude W 132° 26' 15" K No. 153
Geodetic Map No. Craig B-2 Work Area Ketchikan
Location Cholmondeley - West Arm Watershed Length _____
Drainage Area of Watershed _____
Water Supply Type Precipitation - runoff and probably springs - also has glacial origin.
Trails & Survey Routes No trails - Difficult walking - walk up the center of the stream.
Aerial Survey Notes Would be difficult to survey from the air due to small stream size and overstory.
Anchorage Off the mouth of Lagoon Creek.
Tide Stage When Surveyed 1/2 tide and flooding.

FISHERY RESOURCES

Commercial Fisheries Pink and chum

Escapement 100,000 pink and 15,000 chum 10-3-41: 15,000 pink and 35,000 chum 9-26-45: 100 pink and 250 chum 9-29-48. Available spawning area - 125 M²

Species Composition Predominantly pinks in earlier years but swung around to producing more chums by the mid-late 40's.

Timing Late

Schooling areas Off the mouth and pools in the stream.

Shellfish Potential Almost zero - very rocky intertidal.

Sport Fisheries None

Land Use at Present None

History of Land Use None

Rehabilitation Potential None, barrier falls .2 mile upstream - also is very small stream.

Soils Steep gradient - could be slumpage problem.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles-	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	about zero
	Estimate depth out from beach	-
	Eel grass present on what percent of flats	-

Observers: Downey, Smith
Date: 10-5-73

Temperature:

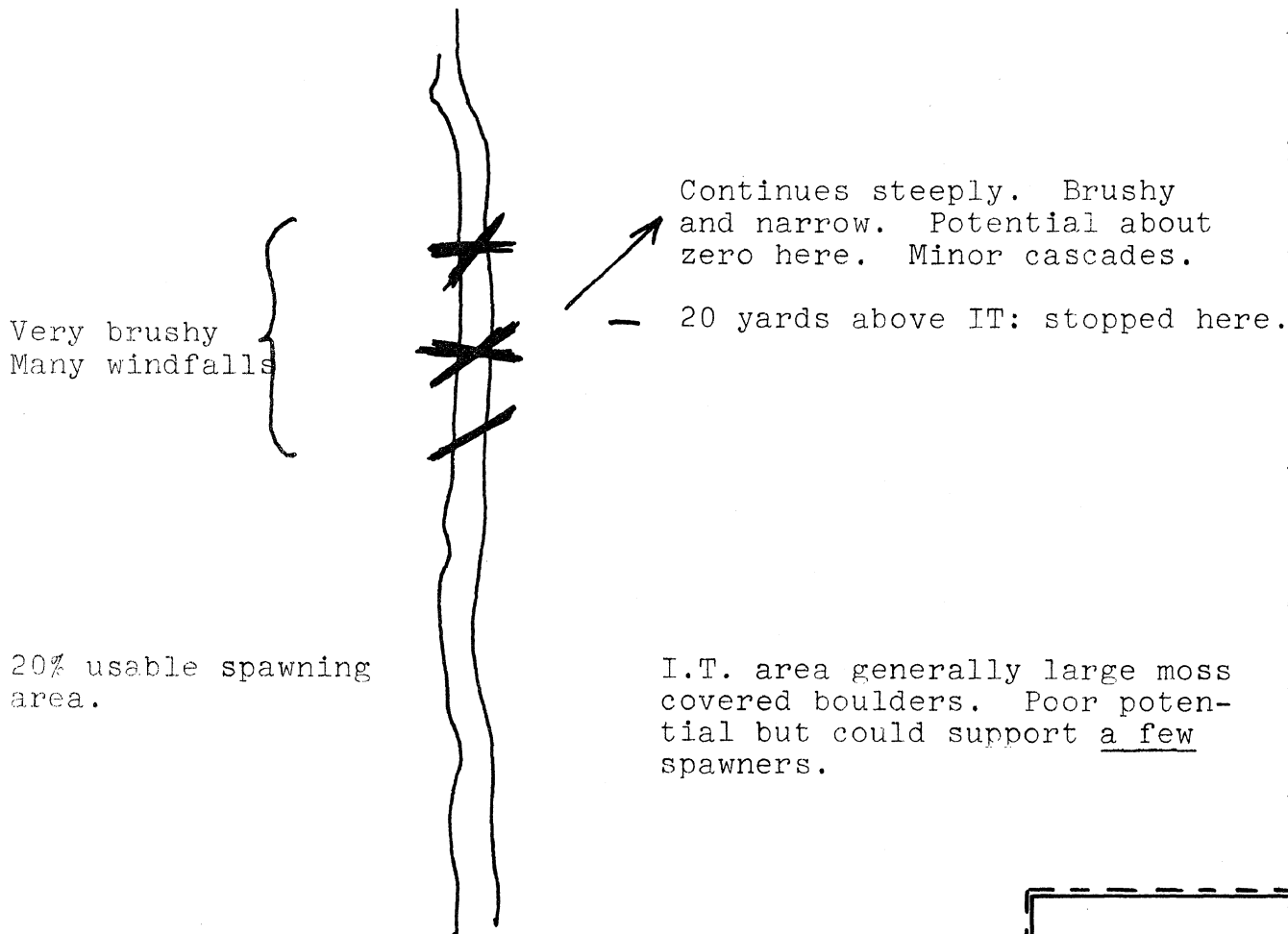
Weather: Overcast - showers

[illegible]

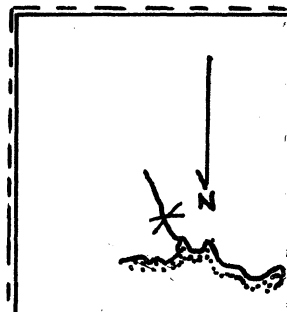
General Remarks (rehab., land use, barriers, log jams, etc.):

Low tide.

Stream gradient is very steep from the top of the
I.T. area upstream with several minor cascades.
Any utilization here would be very limited.
Small stream. No evidence of any fish presence.
Stream banks stable.



Opt. escapement 36 (10'W, 100'L, 20% ASA)



Name _____ Catalog No. 102-40-68
Latitude N 55° 15' 16" WR No. _____
Longitude W 132° 27' 30" K No. _____
Geodetic Map No. Craig B-2 Work Area Ketchikan
Location Cholmondeley - West Arm Watershed Length _____
Drainage Area of Watershed _____
Water Supply Type Precipitation - runoff and probably springs.

Trails & Survey Routes No trails - walk up the stream.

Aerial Survey Notes Small stream with too much overstory for aerial surveying.

Anchorage Off the mouth of Lagoon Creek.

Tide Stage When Surveyed 1/2 tide and ebbing.

FISHERY RESOURCES

Commercial Fisheries Unknown

Escapement Unknown

Available spawning area - 18 M2

Species Composition Unknown

Timing Unknown

Schooling areas Would be off the mouth

Shellfish Potential None

Sport Fisheries None

Land Use at Present None

History of Land Use None

Rehabilitation Potential None - too small.

Soils Stable to a point 20 yards above tree line - stopped here.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles-	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide Flats -	Estimate length along beach	very little
	Estimate depth out from beach	-
	Eel grass present on what percent of flats	-

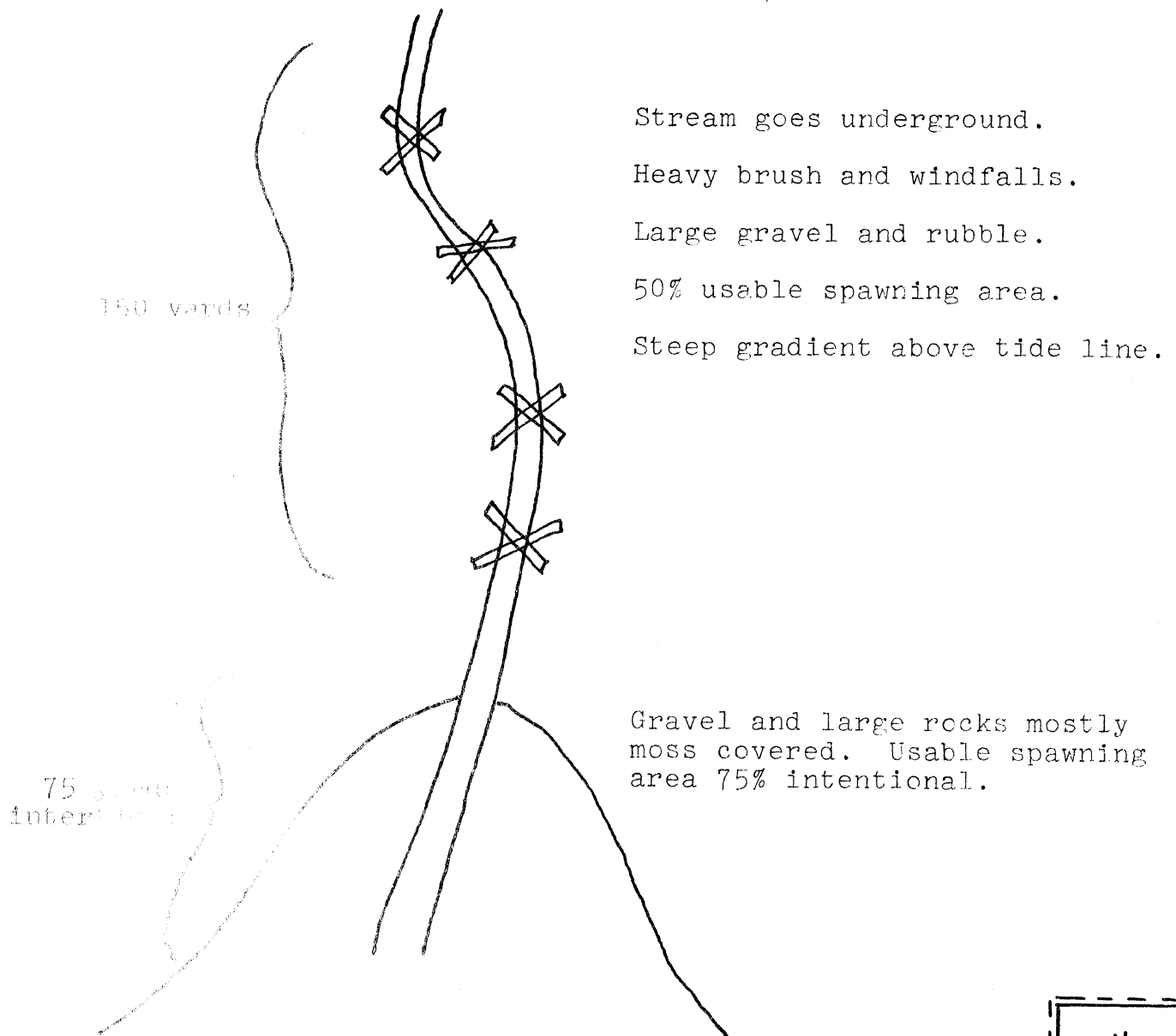
Observers: Downey, Smith
Date: 10-5-73
Temperature: _____
Weather: Overcast - show

Name: _____
Number: 102-40-68

[illegible]

General Remarks (rehab., land use, barriers, log jams, etc.):

West Arm Cholmondeley Sound
102-40-69
10-5-73



Opt. Escapement 677 (9'W, 675'L, 60% ASA)

Name _____ Catalog No. 102-40-69
Latitude N 55° 15' 13" WR No. _____
Longitude W 132° 27' 54" K No. _____
Geodetic Map No. Craig B-2 Work Area _____
Location Cholmondeley - West Arm Watershed Length _____
Drainage Area of Watershed _____
Water Supply Type Precipitation - runoff and probably springs.

Trails & Survey Routes No trails, walk up the stream.

Aerial Survey Notes Small stream with too much overstory for aerial surveying.

Anchorage Off the mouth of Lagoon Creek.

Tide Stage When Surveyed 1/2 tide and ebbing.

FISHERY RESOURCES

Commercial Fisheries Unknown

Escapement Unknown

Available spawning area - 338 M²

Species Composition Unknown

Timing Unknown

Schooling areas Would be off the mouth.

Shellfish Potential Would be limited to clams - small flats area.

Sport Fisheries None

Land Use at Present None

History of Land Use None

Rehabilitation Potential None - too small

Soils Stream banks generally stable to a point 150 yards above tree line - stopped here.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles--	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	very little
	Estimate depth out from beach	-
	Bel grass present on what percent of flats	-

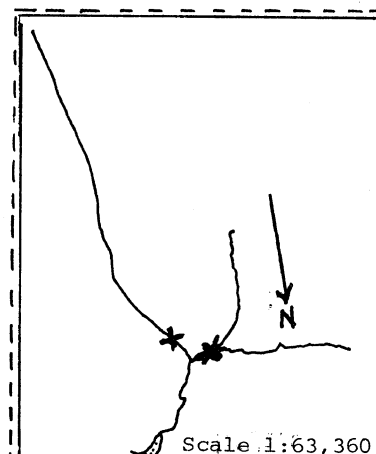
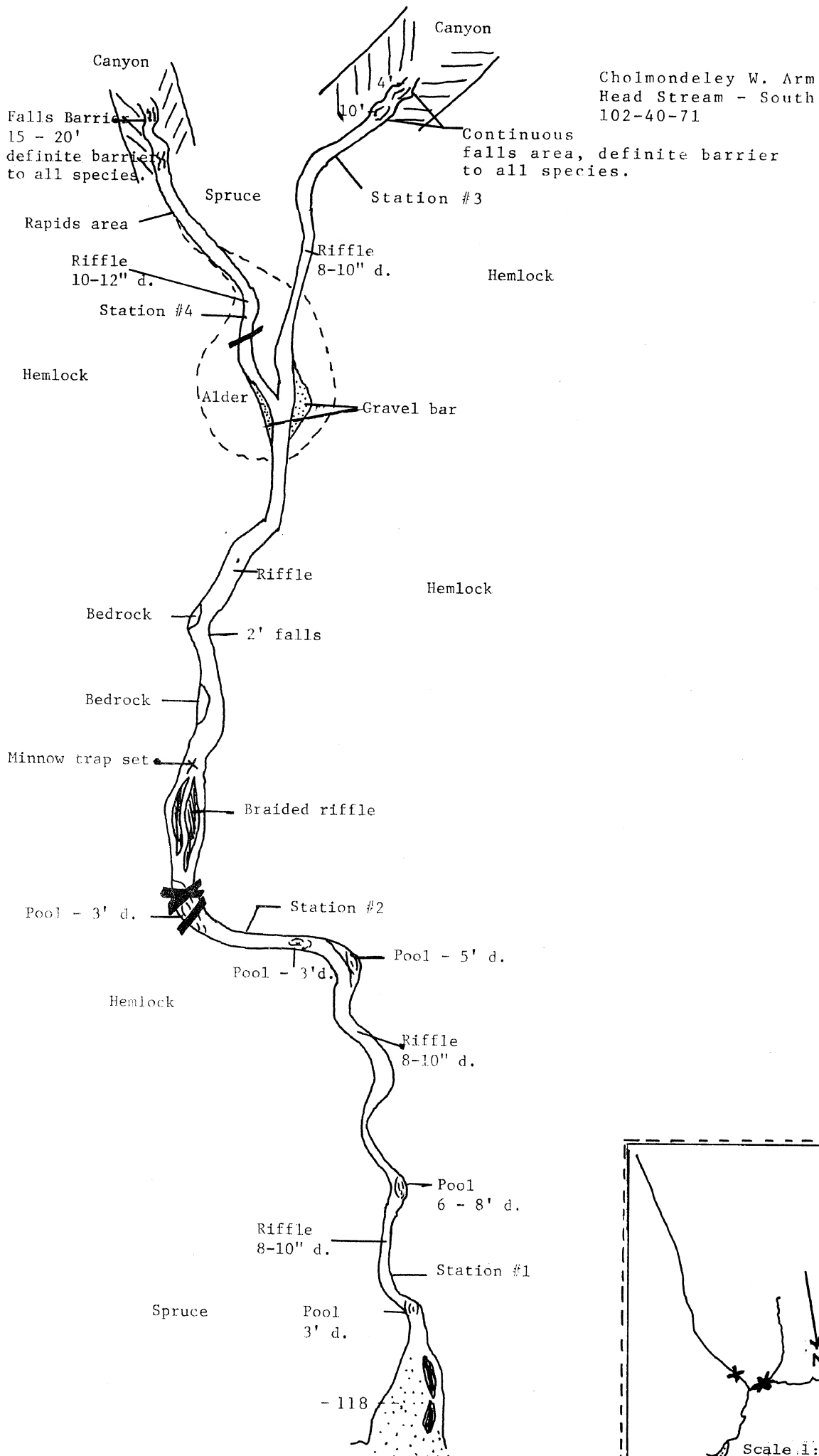
Observers: Downey, Smith
Date: 10-5-73

Temperature:

Weather: Overcast, showers

General Remarks (rehab., land use, barriers, log jams, etc.):

Water level normal.
1st 1/2 of ebb.



Name Head of West Arm - South Catalog No. 102-40-71
Latitude N 55° 15' 19" WR No. _____
Longitude W 132° 28' 15" K No. _____
Geodetic Map No. Craig - A2 & B2 Work Area Cholmondeley Sound
Location Prince of Wales Island Watershed Length 5.5 miles
Drainage Area of Watershed 5.77 sq. miles
Water Supply Type Runoff, springs, and high mountain glacial types present on south fork.
Trails & Survey Routes The best way to survey this system is to walk the creek (easy walking).
Aerial Survey Notes The water is clear and is void of excessive overgrowth to the area of the forks - bottom grayish.
Anchorage Very limited anchorage near head of west arm for small boats. Large vessel anchorage off Lagoon Creek mouth.
Tide Stage When Surveyed 2nd half of flood.

FISHERY RESOURCES

Commercial Fisheries Pink, chum, and coho have been documented.

Escapement 45,000 high historic pink escapement. Desired 3,000.
1972 escapement - 800 pink, 250 chum. Available spawning area - 5,003 M²
Species Composition _____

Timing Late - August and September
Schooling areas School on south side of Arm before entering. Also school in the ITZ of this stream.
Shellfish Potential Clams are present on the vast tideflats associated with this stream. Dungeness crabs off tideflats.
Sport Fisheries Dolly Varden and cutthroat present an excellent fishery during August and September. Coho fishing also good.
Land Use at Present Planned as part of the Cholmondeley Sound I.D.T. project scheduled to be logged in 1974.
History of Land Use None other than influence from the Old Seltzer Portage trail on North side of head.
Rehabilitation Potential No possible rehab. work necessary or practical for improving fishery.potential.
Soils Stable soils in area surveyed but may have sluffing in the area of both falls if logging occurs.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	2
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles--	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	2
Tide flats -	Estimate length along beach	400 yds.
	Estimate depth out from beach	8-10 ft.
	Est grass present on what percent of flats	5%

Excellent deer sign on this creek, also wolf sign plentiful.
1 winter kill deer found on this stream.

STREAM INVENTORY FORM

Observers: McMullen, No

Date: 7-25-73

Name: W. Arm Cholmondeley Sound

Temperature: 56°

Weather: Overcast - scattered rain

Station No.

Pool Size/Type

Rifle Type
Width-Depth

Pool Riffle
Frequency

Bottom Type
(Riffle)

Color/Turbidity

Velocity

Flow (C.F.S.)

Temp. (°F.)

pH

Fry Abundance

Benthos
Sample No.

Higher Plant
Class

Aquatic Veg.
Density
Ident.

(1) Mosses
(2) Algae

General Remarks (rehab., land use, barriers, log jams, etc.): Med. commercial Timber. Barrier on left and right forks - no rehab. potential. Fresh water sponges very abundant in area below forks to mouth. Larvae of nudge fly abundant - associated with fresh water sponges. Standfly and caddis abundant but the server samples was not available for survey.

PEAK ESCAPEMENT RECORD

NAME: Cholmondeley Sound, West Arm, Head

STREAM CATALOG NUMBER: 102-40-71

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 5, 1946	8,000	5,000		Fair. 2,000 fish at mouth (G)
Oct. 3, 1947	45,000	35,000		Excellent. 20,000 fish at mouth(G)
Sept. 29, 1948	2,300	9,500		Good. 15,000 fish at mouth (G)
Sept. 11, 1952				No fish present (G)
Sept. 20, 1953	160			Chum fresh. Visibility 100% (G)
Oct. 7, 1953		1,100		200 chum at mouth (G)
Sept. 28, 1954		1,500		Few 100 at mouth. Visibility not good. (A)
Sept. 2, 1956				150,000 pink at mouth
Sept. 29, 1956	8,000			Chum present (A)
Sept. 17, 1957	300			
Sept. 29, 1957		6,000		Poor
Sept. 20, 1959		2,500		None at mouth (A)
Sept. 20, 1960	30	90		None at mouth(G)
Oct. 11, 1961	200	800		(G) Half mile foot survey
Oct. 17, 1962	500			Vis. fair (A)
Oct. 6, 1963		2,100		150 fish intertidally (A)
Sept. 19, 1964	400	50		Vis. good, stream high. 250 fish were at the mouth of the stream (F)
Sept. 13, 1967	few			Vis. good (A)
Sept. 12, 1966		200		900 fish intertidally (F)
Sept. 19, 1967	300	750		200 chum at mouth, Vis. good (F)
Sept. 18, 1968	1,000	1,500		50 chum at mouth of right head stream. On Aug. 26, 1968 had 7,500 fish intertidally (A)
Sept. 3, 1969	400			(F)
Sept. 10, 1970	950	300		(F)
Sept. 16, 1971	3,900	75		Vis. good (F)

PEAK ESCAPEMENT RECORD

NAME: Cholmondeley Sound, West Arm, Head

STREAM CATALOG NUMBER: 102-40-71

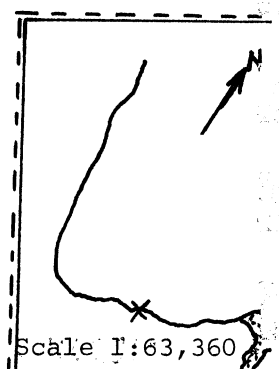
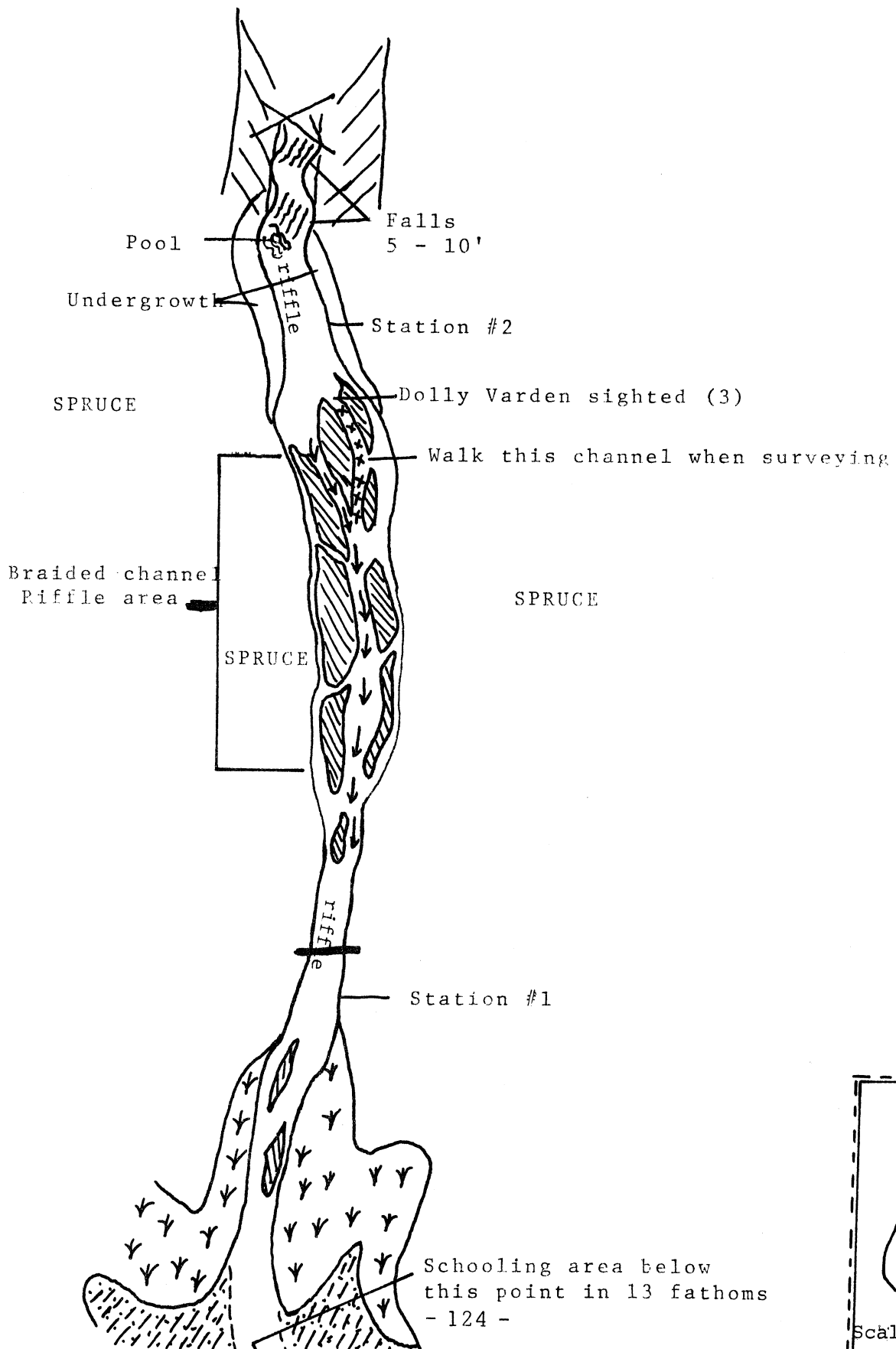
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 3, 1972	800	250		Vis. good (F)
Aug. 19, 1973				6,000 fish intertidally (H)
Aug. 29, 1973	4,000			Vis. Fair (A)
Sept. 18, 1973		2,915		Vis. good (F)
Aug. 29, 1974	----4,000----			Vis. excellent (A)
- 122 -				

102-40-72
West Arm Cholmondeley Sound
Downey, Smith
10-5-73

N 55° 15' 42"
W 132° 26' 39"

Small runoff type stream. Any possible utilization here would be
at the most a couple of pairs of spawners. Very poor potential.

West Arm Chomodeley
North Head Stream
102-40-73
7-25-73



Name W.Arm Cholmondeley N. Head Stream Catalog No. 102-40-73
Latitude N 55° 15' 35" WR No. _____
Longitude W132° 28' 23" K No. _____
Geodetic Map No. Craig A2 & B2 Work Area Cholmondeley Sound - District II
Location Prince of Wales Island Watershed Length 2.3 miles
Drainage Area of Watershed 1.93 sq. miles
Water Supply Type Runoff and springs

Trails & Survey Routes The only way to survey is by walking in the main channels.
Stay in north channel area when surveying.

Aerial Survey Notes This stream is impossible to survey from the air as overhanging trees and underbrush cover the channels.

Anchorage Small boat - anchor off flats in 13 fathoms near north side of head. Not a good place to safely anchor in. Mud and sand.

Tide Stage When Surveyed 1st half of the ebb.

FISHERY RESOURCES

Commercial Fisheries Pink and chum salmon have been documented but cohos may also be present in upper stream.

Escapement 1972 - 385 pink and 89 chum salmon. 1971 - 2400 pink; 6 chum. High historic 35,000. Desired 3,000. Available spawning area - 2,748 M²

Species Composition 90 - 95% pink, 5% chum, 0 - 5% coho.

Timing Late - August and September.

Schooling areas Chum were observed in 13 fathom area directly in front of the stream mouth on N. side of head (1972).

Shellfish Potential Huge tide flats with excellent clam populations. Dungeness crab may be taken in 13 fathoms.

Sport Fisheries Sea run cutthroats and Dolly Varden use this stream for spawning and rearing.

Land Use at Present This watershed was part of the 1973 Cholmondeley Sound I.D.T. plan.

History of Land Use The Sultzter trail paralleled this stream and then crossed. Some timber was cleared along this route.

Rehabilitation Potential Blowdown is present but does not block or hinder salmon migrations to the falls area.

Soils Relatively stable at present time but if disturbed along stream would have tendency for high erosion problems.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	2
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles-	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	100 yards
	Estimate depth out from beach	10 ft.
	Eel grass present on what percent of flats	0

STREAM INVENTORY FORM

Observers: McMullen, Nc

Date: 7-25-73

Name: W.Arm Cholmondeley Sound-North

Temperature: 54°

Weather: Overcast - rain

10 min. intervals.

[illegible]

General Remarks (rehab., land use, barriers, log jams, etc.): Fall barrier at left turn out of valley - Migration to falls. Braided area below falls to station #1 (approximately 1/4 mile). No rehab. potential. Soils are unstable along the stream banks.

PEAK ESCAPEMENT RECORD

NAME: Cholmondeley Sound, West Arm, N. shore 0.5 mile from head

STREAM CATALOG NUMBER: 102-40-73

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 5, 1946	3,000	2,000		Fair (G)
Oct. 3, 1947	35,000	5,000		Excellent (G)
Sept. 29, 1948	1,900	2,100		Good (G)
Sept. 19, 1953	1	5		Poor (G)
Sept. 2, 1956				100,000 pink at mouth
Sept. 29, 1957		6,000		
Sept. 29, 1960	2	0		None at mouth (G)
Oct. 11, 1961		100		Half mile foot survey (G)
Aug. 11, 1963				Flow low- bottom comp. gravel, rock, boulders, Width 6 feet (F)
Aug. 17, 1965	N.O.			5 balls at mouth (A)
Sept. 23, 1970	680			On Sept. 10, 1970 had 900 fish intertidally. Many dead fish. Vis good (F)
Sept. 16, 1971	2,400	6		Vis. good (F)
Aug. 21, 1972				7,200 fish intertidally. Vis. excellent. 1 ball off creek, all fresh large fish, believe they're chum (H)
Aug. 31, 1973	900			400 fish intertidally (H)
Aug. 29, 1974	-----4,000-----			Vis. excellent (A)

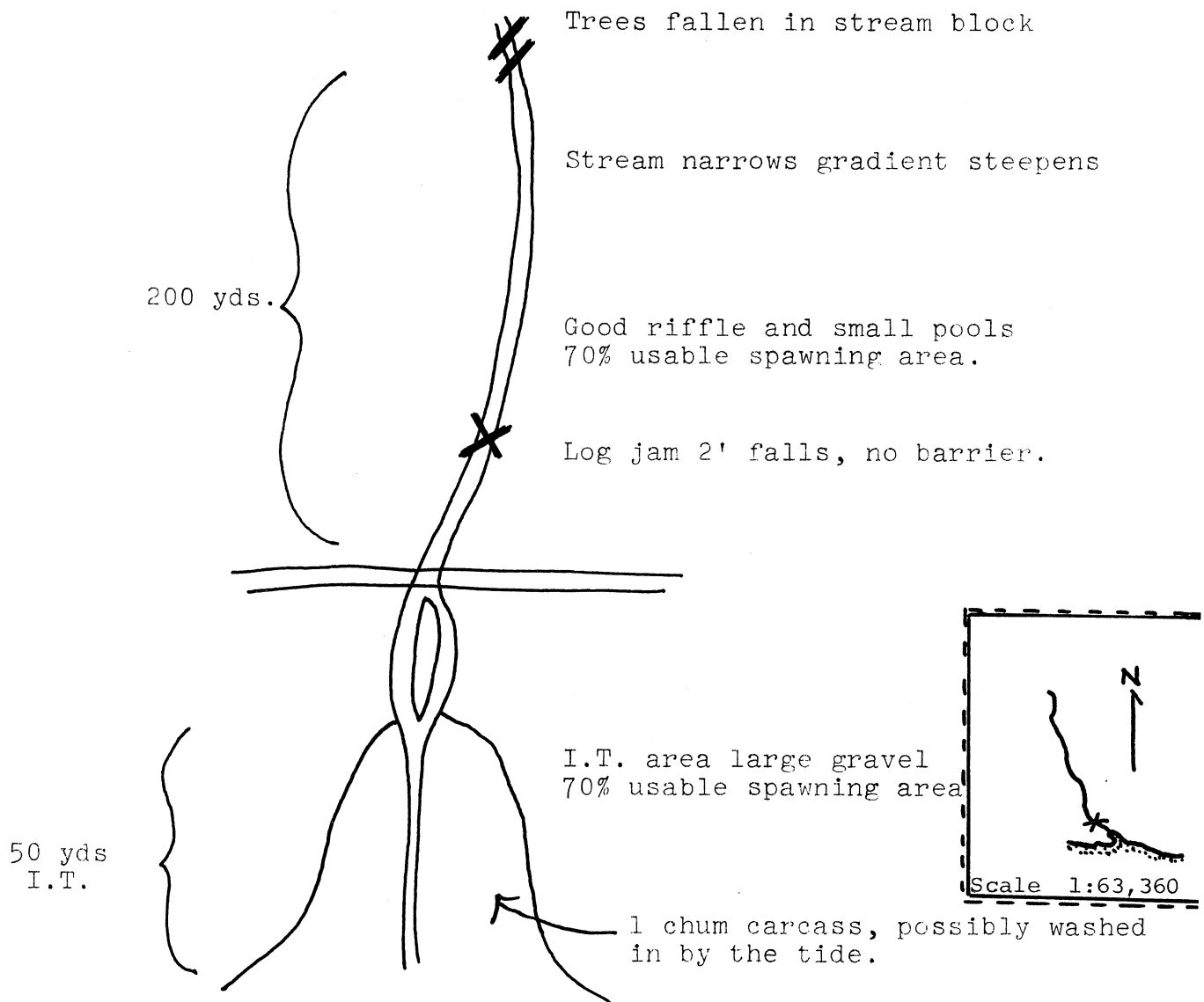
102-40-74
West Arm Cholmondeley Sound
Downey, Smith
10-5-73

N 55° 15' 38"
W 132° 27' 49"

Very small stream with about 20 yards of intertidal area. Very poor potential, but appears as if it could support a few spawners intertidally.

102-40-75
West Arm, Cholmondeley Sound
10-5-73
Downey, Smith

Fair looking small stream 50 yards I.T. with good gravel.
75% spawning area, above I.T. stream has good gravel for
about 200 yards with 70% usable spawning area.



Opt. Escapement 1,045 (10'W, 750'L, 75% ASA)

Name _____ Catalog No. 102-40-75
Latitude N 55° 15' 33" WR No. _____
Longitude W 132° 25' 02" K No. _____
Geodetic Map No. Craig B-2 Work Area Ketchikan
Location Cholmondeley - West Arm Watershed Length _____
Drainage Area of Watershed _____
Water Supply Type Precipitation and runoff - probably springs also.

Trails & Survey Routes No trails - walk up the stream.

Aerial Survey Notes Small stream with too much overstory for aerial surveying.

Anchorage Off the mouth of Lagoon Creek.

Tide Stage When Surveyed last 1/2 ebb tide.

FISHERY RESOURCES

Commercial Fisheries Unknown

Escapement Unknown

Available spawning area - 523 M²

Species Composition Unknown

Timing Unknown

Schooling areas Would be off the mouth.

Shellfish Potential Almost zero - rocky intertidal zone.

Sport Fisheries None

Land Use at Present None

History of Land Use None

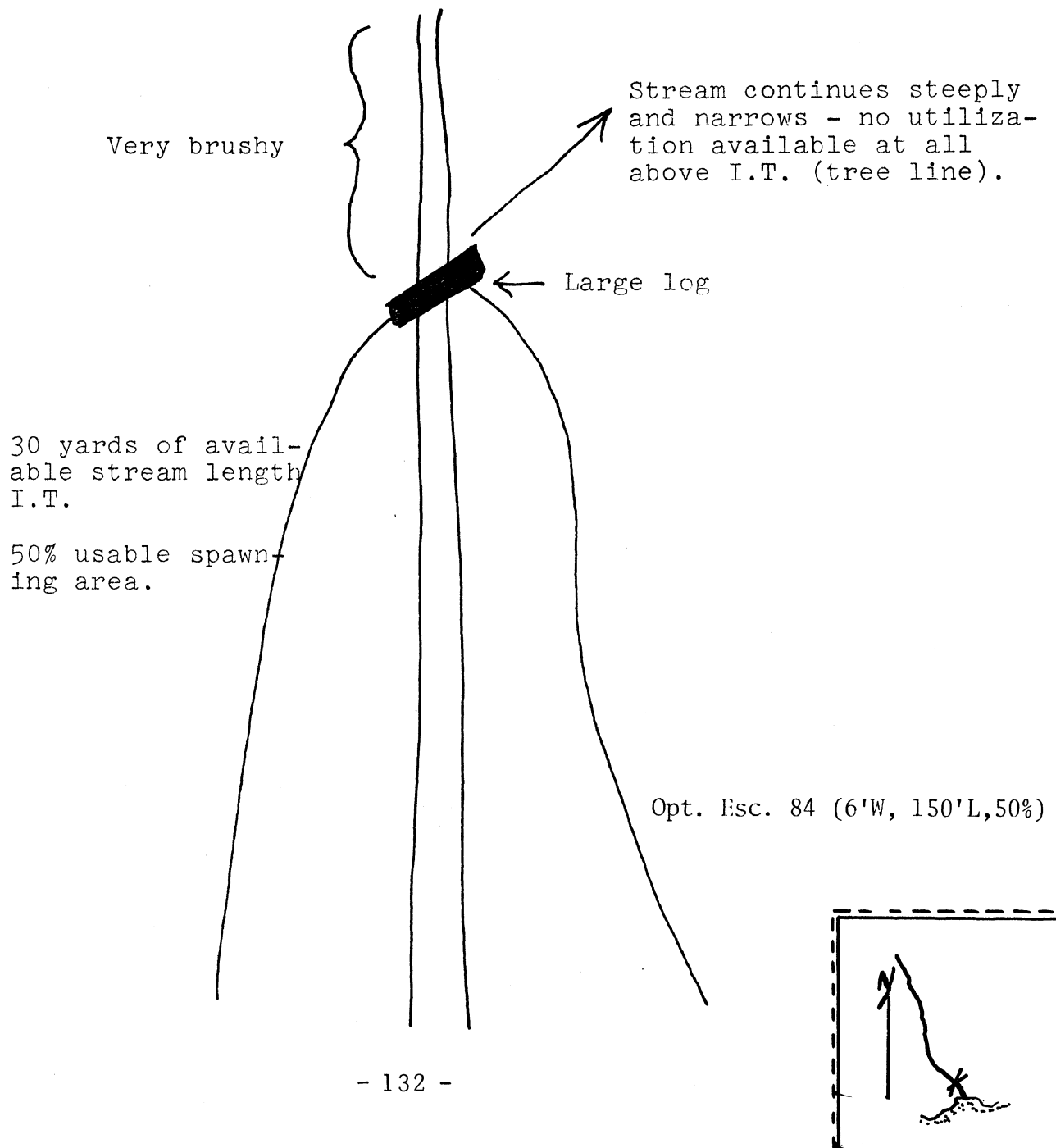
Rehabilitation Potential None - a good stream, but too small to do anything with.

Soils Stable to a point 200 yards above tree line -- stopped here.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	<u>0</u>
	Number of droppings	<u>0</u>
Geese -----	Number seen on tide flats	<u>0</u>
	Number seen up creek	<u>0</u>
	Number of broods seen	<u>0</u>
Mallards ---	Number seen on tide flats	<u>0</u>
	Number seen up creek	<u>0</u>
	Number of broods seen	<u>0</u>
Mergansers -	Number of broods seen	<u>0</u>
Bald Eagles-	Number seen along creek	<u>0</u>
	Number of nests seen and location	<u>0</u>
Seals -----	Number seen at mouth of stream	<u>0</u>
Tide flats -	Estimate length along beach	<u>very little</u>
	Estimate depth out from beach	<u>-</u>
	Eel grass present on what percent of flats	<u>-</u>

Very small stream, of little importance fish wise -
potential poor.



Name _____ Catalog No. 102-40-77
Latitude N 55° 15' 34" WR No. _____
Longitude W 132° 23' 36" K No. _____
Geodetic Map No. Craig B-2 Work Area Ketchikan
Location Cholmondeley - West Arm Watershed Length _____
Drainage Area of Watershed _____
Water Supply Type Precipitation - runoff and probably springs.

Trails & Survey Routes No trails - walk up the stream.

Aerial Survey Notes Small stream with too much overstory for aerial surveying.

Anchorage Off the mouth of Lagoon Creek.

Tide Stage When Surveyed Last 1/2 ebb tide.

FISHERY RESOURCES

Commercial Fisheries Unknown

Escapement Unknown

Available spawning area - 42 M²

Species Composition Unknown

Timing Unknown

Schooling areas Would be off the mouth

Shellfish Potential Almost zero - rocky intertidal zone.

Sport Fisheries None

Land Use at Present None

History of Land Use None

Rehabilitation Potential None - too small

Soils Stable to a short distance above the tree line - very small stream.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	<u>0</u>
	Number of droppings	<u>0</u>
Geese -----	Number seen on tide flats	<u>0</u>
	Number seen up creek	<u>0</u>
	Number of broods seen	<u>0</u>
Mallards ---	Number seen on tide flats	<u>0</u>
	Number seen up creek	<u>0</u>
	Number of broods seen	<u>0</u>
Mergansers -	Number of broods seen	<u>0</u>
Bald Eagles-	Number seen along creek	<u>0</u>
	Number of nests seen and location	<u>0</u>
Seals -----	Number seen at mouth of stream	<u>very little</u>
Tide flats -	Estimate length along beach	<u>-</u>
	Estimate depth out from beach	<u>-</u>
	Eel grass present on what percent of flats	<u>-</u>

Observers: Downey, Smith

Observers: Downey, Smith

Date: 10-5-73

Temperature:

Weather: Overcast - showers

Name: _____

Number: 102-40-77

[illegible]

General Remarks (rehab., land use, barriers, log jams, etc.):

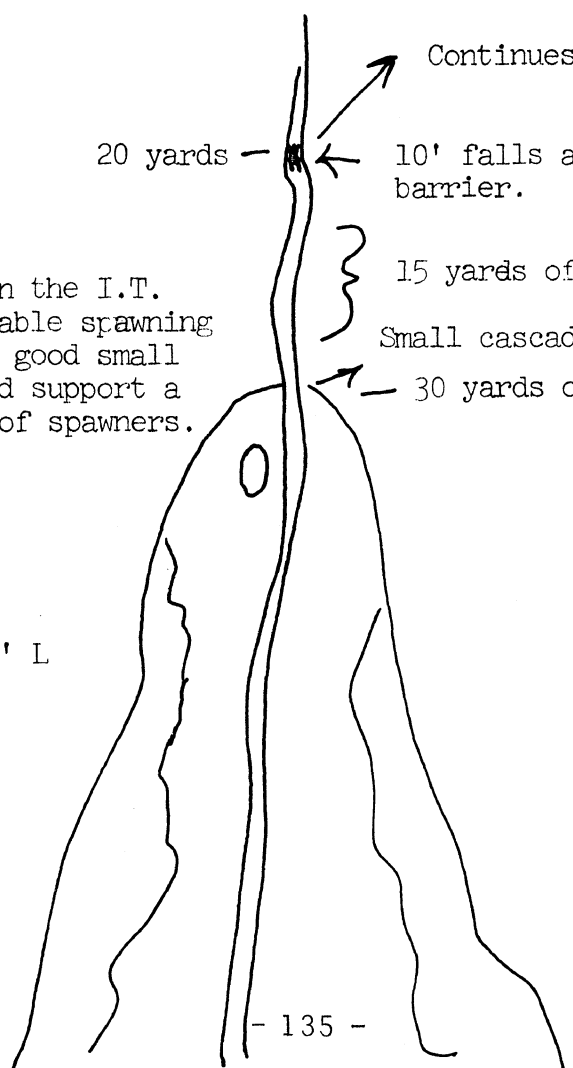
102-40-79

Cholmondeley Sound - West Arm

Downey - Smith

10-5-73

Tide 2/3 out and ebbing. Sunny clear day. Stream flow normal.

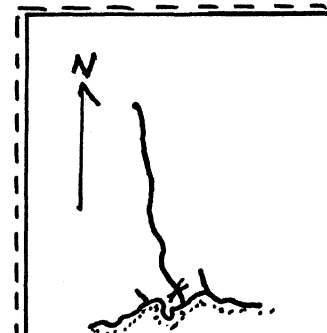
20 yards -  Continues steeply.
10' falls and cascade - definite barrier.
15 yards of good gravel.
Small cascade - no barrier.
30 yards of I.T. area.

Good gravel in the I.T. area. 60% usable spawning area. Fairly good small stream. Could support a small number of spawners.

Opt. Esc.

180 9'W 180' L

60%



Name _____ Catalog No. 102-40-79
Latitude N 55° 15' 34" WR No. _____
Longitude W 132° 23' 16" K No. _____
Geodetic Map No. Craig B-2 Work Area Ketchikan
Location Cholmondeley - West Arm Watershed Length _____
Drainage Area of Watershed _____
Water Supply Type Precipitation - runoff and probably springs.

Trails & Survey Routes No trails - walk up the stream.

Aerial Survey Notes Small stream with too much overstory for aerial surveying.

Anchorage Off the mouth of Lagoon Cree.

Tide Stage When Surveyed Last 2/3 ebb tide.

FISHERY RESOURCES

Commercial Fisheries Unknown

Escapement Unknown

Available spawning area - 90 M²

Species Composition Unknown

Timing Unknown

Schooling areas Would be off the mouth.

Shellfish Potential Almost zero - very rocky intertidal zone.

Sport Fisheries None

Land Use at Present None

History of Land Use None

Rehabilitation Potential None - too small.

Soils Generally stable to a point 15 yards above the tree line - stopped here.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles-	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	20 yards
	Estimate depth out from beach	5 yards
	Eel grass present on what percent of flats	-

Observers: Downey - Smith

Observers: Downey - Smith

Date: 10-5-73

Temperature:

Weather:

Name:

Number: 102-40-79.

[illegible]

General Remarks (rehab., land use, barriers, log jams, etc.):

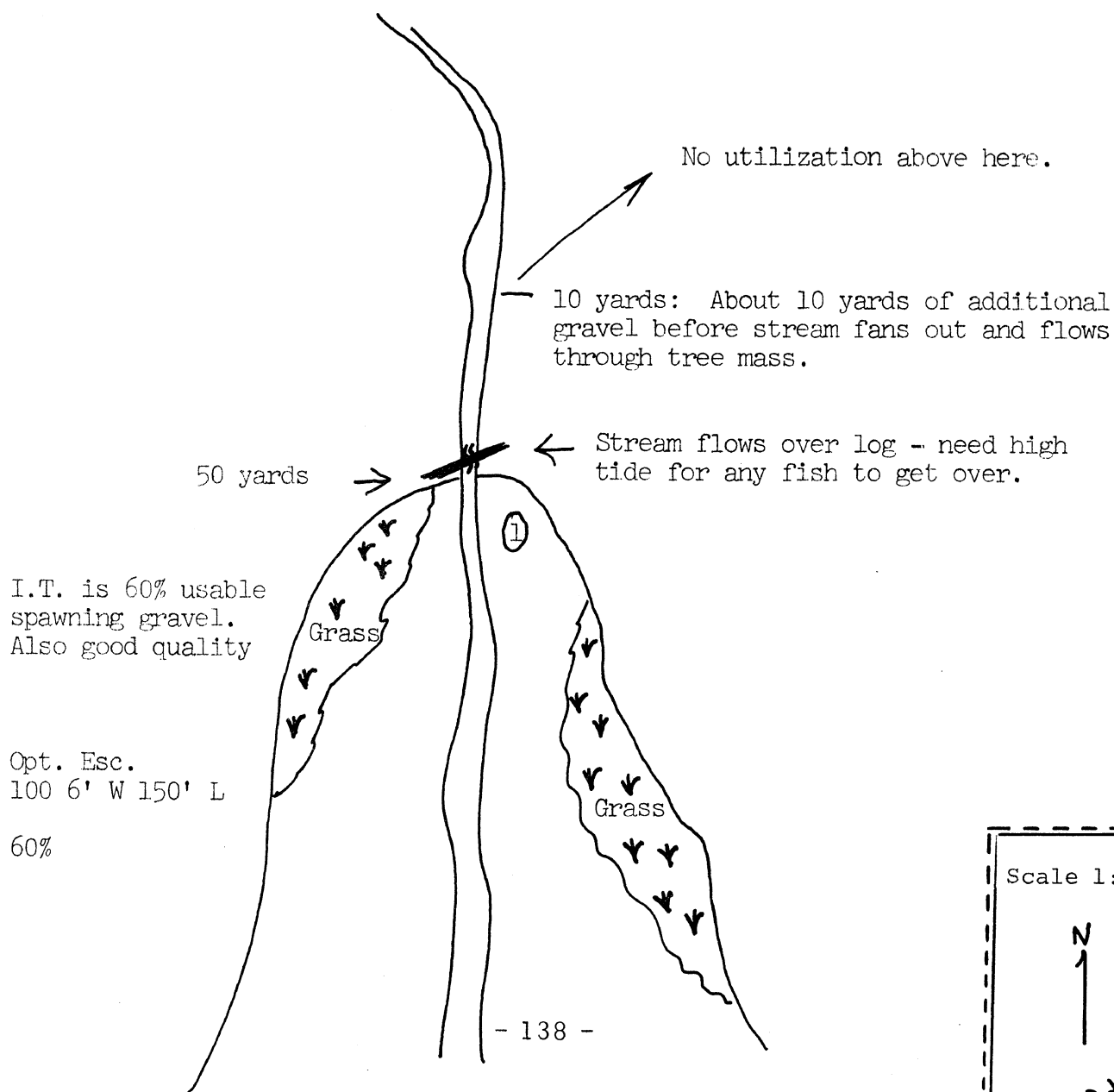
102-40-81

Cholmondeley Sound - West Arm

Downey - Smith

10-5-73

Pretty small stream. All utilization would be intertidal. Stream flow normal.



Name _____ Catalog No. 102-40-81
Latitude N 55° 15' 36" WR No. _____
Longitude W 132° 23' 10" K No. _____
Geodetic Map No. Craig B-2 Work Area Ketchikan
Location Cholmondeley - West Arm Watershed Length _____
Drainage Area of Watershed _____
Water Supply Type Precipitation - runoff and probably springs.

Trails & Survey Routes No trails - walk up the stream.

Aerial Survey Notes Small stream with too much overstory for aerial surveying.

Anchorage Off the mouth of Lagoon Creek.

Tide Stage When Surveyed last 1/2 of ebb tide.

FISHERY RESOURCES

Commercial Fisheries Unknown

Escapement Unknown

Available spawning area - 50 M²

Species Composition Unknown

Timing Unknown

Schooling areas Would be off the mouth

Shellfish Potential Almost zero - very rocky intertidal zone.

Sport Fisheries None

Land Use at Present None

History of Land Use None

Rehabilitation Potential None - too small.

Soils Stable to a point 10 yards above tree line - stopped here.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles--	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	30 yards
	Estimate depth out from beach	10 yards
	Eel grass present on what percent of flats	-

Observers: Downey - Smith:

Date: 10-5-73

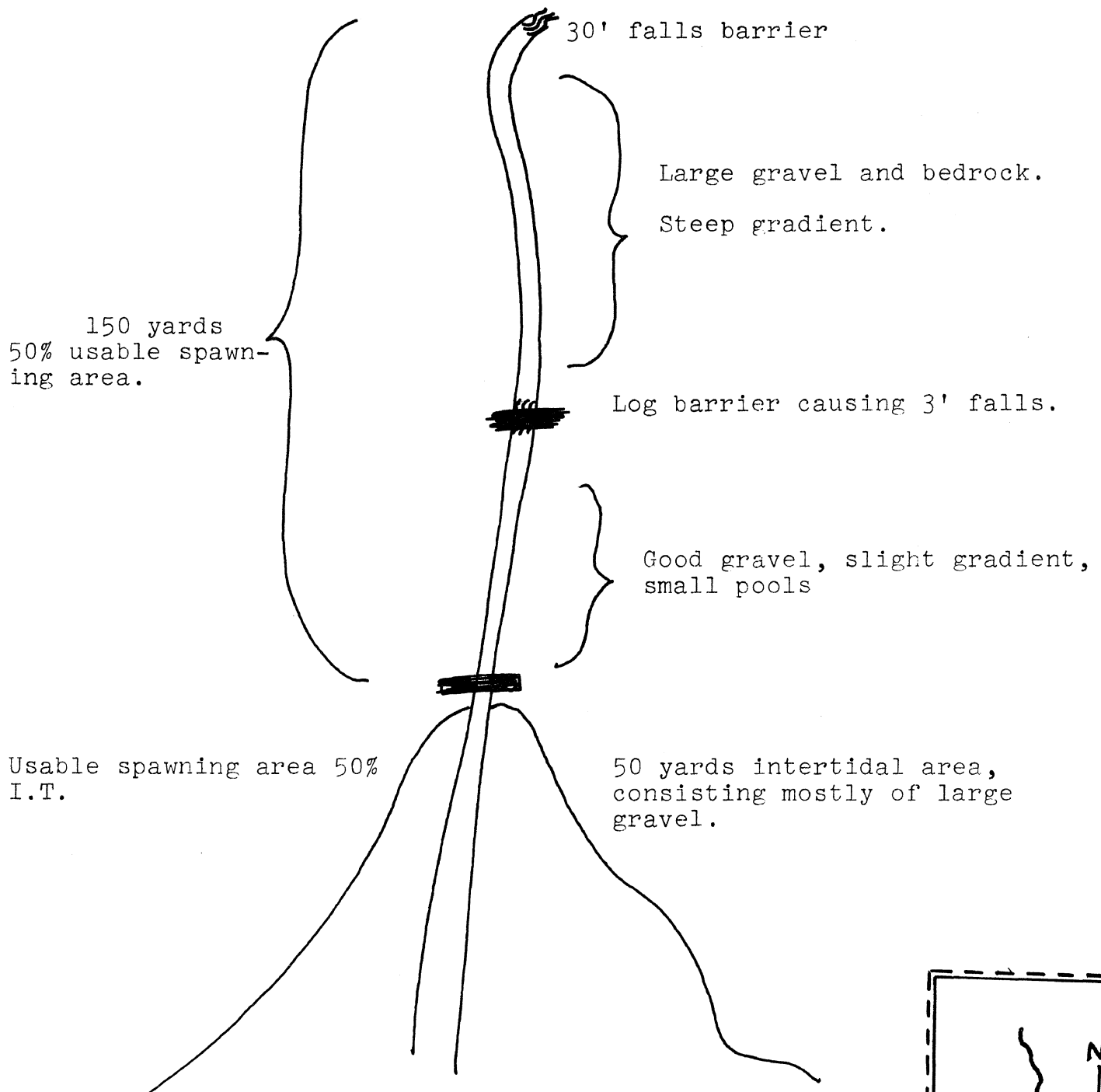
Temperature:

Weather: Overcast - showers

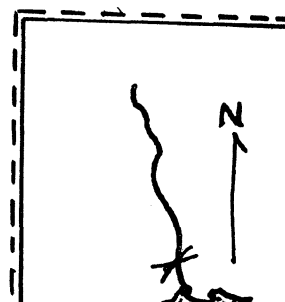
Station No.	1
Pool Size/Type	2/2
Riffle Type	6' W
Width - Depth	
Pool Riffle Frequency	2
Bottom Type (Riffle)	4
Color/Turbidity	1
Velocity	2
Flow (C.F.S.)	.68
Temp. (°F.)	44°
pH	5.5
Fry Abundance	
Benthos Sample No.	
Higher Plant Class	1
Aquatic Veg. Density Ident.	2 / 2
(1) Mosses	
(2) Algae	

General Remarks (rehab., land use, barriers, log jams, etc.):

Last 1/2 ebb tide
Water level normal



Opt. Esc. 446 (8'W, 600'L, 50% ASA)



Name _____ Catalog No. 102-40-83
Latitude N 55° 15' 39" WR No. _____
Longitude W 132° 21' 54" K No. _____
Geodetic Map No. Craig B-2 Work Area Ketchikan
Location Cholmondeley - West Arm Watershed Length _____
Drainage Area of Watershed _____
Water Supply Type Precipitation - runoff and probably springs, also possible drainage from near lake.
Trails & Survey Routes No trails - walk up the stream.
Aerial Survey Notes Small stream with too much overstory for aerial surveying.
Anchorage Off the mouth of Lagood Creep.
Tide Stage When Surveyed Last 1/2 ebb tide.

FISHERY RESOURCES

Commercial Fisheries Unknown
Escapement Unknown
Available spawning area - 223 M²
Species Composition Unknown
Timing Unknown
Schooling areas Would be off the mouth
Shellfish Potential Almost zero - very rocky intertidal zone.
Sport Fisheries None
Land Use at Present None
History of Land Use None
Rehabilitation Potential None - too small
Soils Generally stable to a point 150 yards upstream.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles-	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	very little
	Estimate depth out from beach	-
	Eel grass present on what percent of flats	-

STREAM INVENTORY FORM

Observers: Downey, Smith

Date: 10-5-73

Temperature:

Weather: Overcast - showers

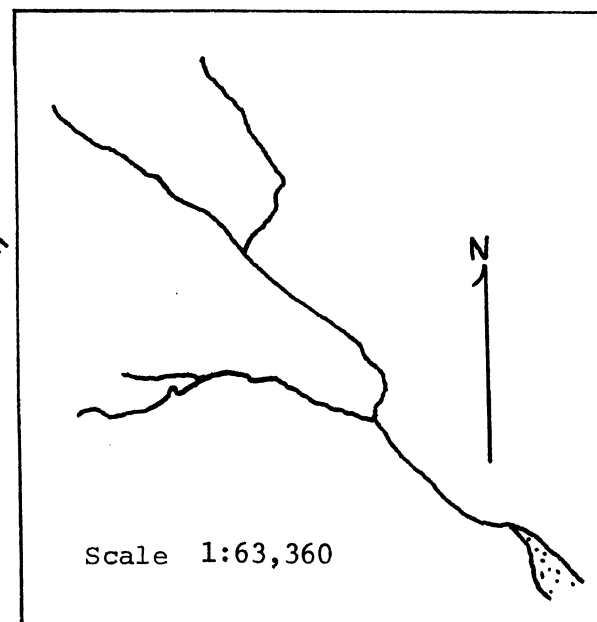
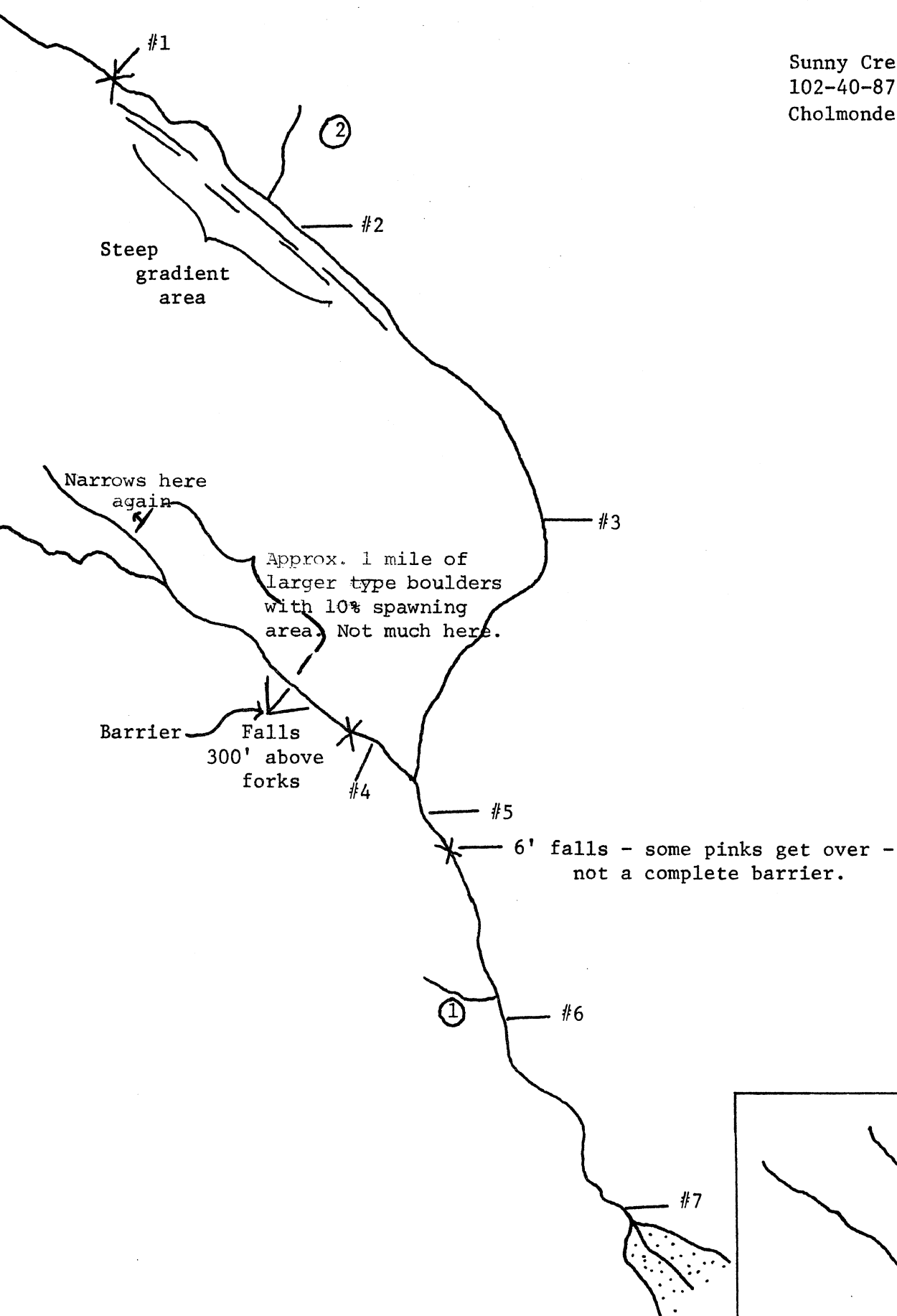
Name:

Number: 102-40-83

[illegible]

General Remarks (rehab., land use, barriers, log jams, etc.):

Sunny Creek
102-40-87
Cholmondeley Sound



Name Sunny Creek Catalog No. 102-40-87
Latitude N. 55° 16.3' WR No. _____
Longitude W. 132° 16.9'W K No. K 156 (previous number 133)
Geodetic Map No. Craig - B-1 Work Area Ketchikan
Location Cholmondeley Sound Watershed Length 2.5 miles
Drainage Area of Watershed 11.39 sq. miles
Water Supply Type Spring - runoff of left fork: runoff - spring - lake system on right fork.
Trails & Survey Routes No established trails: walking not too bad in the stream itself.
Aerial Survey Notes Clear water conditions common. May be hard to survey in upper section due to overhanging trees.
Anchorage The cove has a good anchorage for small craft.

Tide Stage When Surveyed 2nd half low tide

FISHERY RESOURCES

Commercial Fisheries Pink, chum, coho - study stream

Escapement Pink - 1972, 16,500; 1971, 54,000; 1970, 3,650; 1969, 40,000; 1968, 700; 1967, 1,200; 1966, 5,700; 1965, 8,600. Available spawning area - 17,094 M²

Species Composition Pink 80-90%, chum 10%, coho <1% Available spawning area (above 9-12-72 - 6,485 pinks, 105 chums, 28 coho) falls - 15,022 M²

Timing Late - mid September.

Schooling areas Fish school off the mouth of the creek below the ITZ of cove.

Shellfish Potential Extensive flats - excellent clam population. Dungeness crab potential good during summer and fall.

Sport Fisheries Steelhead redd sighted below falls. Dolly Varden (9") found at Station #1.

Land Use at Present None but may be logged in next 5-10 years. Currently under I.D.T. study.

History of Land Use None known other than cannery off cove between Sunny Point.

Rehabilitation Potential Blasting or laddering 6' falls for easier access for pink salmon.

Soils Relatively stable with little sign of any erosion.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	50
	Number of droppings	0
Geese -----	Number seen on tide flats	
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	50
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles-	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream (8 seen on islands)	0
Tide flats -	Estimate length along beach	1/4 mile
	Estimate depth out from beach	10 feet
	Eel grass present on what percent of flats	5%

Observers: Novak, Downey

Date: 4-24-73

Temperature: 42°

Weather: Cloudy, showers

Name: Sunny Creek

20 min. walking intervals. Number: 102-40-87

[illegible]

General Remarks (rehab., land use, barriers, log jams, etc.): Approximately 1/2 mi. of spawning habitat above #1. Good timber potential. Steep slope between #1 & #2. Barrier falls \pm 200 yds. above #4. (rt. fork). - Extensive falls to top of ridge (see topo). #5 is 200 yds. below forks. Small trib. enters right side 150 yds. upstream from #6. Steel-head r. above #6. Higher plant class - alder present.

PEAK ESCAPEMENT RECORD

NAME: Sunny Creek

STREAM CATALOG NUMBER: 102-40-87

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 30, 1930				Stream at flood stage. Good showing, thousands of dead
Oct. 1, 1937				Large schools of pink at stream mouth. Stream full
Sept. 20, 1939	50,000			Excellent
Sept. 20, 1941				100,000 pink at stream mouth
Oct. 3, 1941	50,000	5,000		Excellent (G)
Sept. 23, 1942	7,000	45,000		Excellent. 6,000 pink at mouth (G)
Sept. 30, 1943	15,000	5,000		Fair. 5,000 fish off mouth (G)
Oct. 2, 1947	30,000	20,000		Good (G)
Aug. 10, 1948			20 red	(G)
Sept. 8, 1948			10 coho	(G)
Sept. 30, 1948	12,525	8,400		Excellent. 5,000 fish off mouth (G)
Sept. 10, 1949			14 red	(G)
Sept. 30, 1949	5,875	2,080		(G)
Sept. 15, 1950			27 red, 0 dead red	(G)
Sept. 27, 1950	2,450	600		(G)
Sept. 21, 1951			Few coho, 35 red	5,000 chum, 4,000 pink off mouth (G)
Sept. 28, 1951	5,200	2,900		(G)
Sept. 19, 1952			6 coho	400 chum, 200 pink at mouth (G)
Sept. 21, 1952			2 coho, 9 red	Few dead chum. About 1,000 pink at mouth (G)
Oct. 6, 1952	700	1,700		(G)
Sept. 7, 1953			2 coho, 22 red	Several hundred chum, pink off mouth (G)
Sept. 18, 1953	2,600	3,000		Fair. 90% fresh. 300-400 chum, 300-400 pink in salt water (G)
Sept. 28, 1954	13,400	1,000		13,000 pink off mouth (G)
Sept. 28, 1955	36,000	4,000	- 147 -	5,000 at mouth (A)

PEAK ESCAPEMENT RECORD

NAME: Sunny Creek

STREAM CATALOG NUMBER: 102-40-87

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 15, 1956	25,000			25,000 pink at mouth (A)
Sept. 11, 1957	12,000			
Sept. 27, 1957		8,000		Some dead pink, Few at mouth (A)
Sept. 7, 1958	3,000			Few chum (A)
Sept. 20, 1959	3,500			5,500 at mouth (A)
Sept. 14, 1960			10 coho	Some chum. 1,200 at mouth (A)
Sept. 29, 1960	>600			None at mouth (A)
Sept. 30, 1961				11,500 pink and chum - all spawning (A)
Sept. 6, 1962	1,200+			14,000 fish present at the mouth Good in cove. 800+ carcasses present (A)
Sept. 7, 1963	-----9,000-----			(F)
Sept. 24, 1964	12,400			Good vis. in lower portion. On Sept. 8, 1964 there were 20,000 fish in the intertidal zone(A)
Sept. 16, 1965	5,000	50	1 coho	6,100 fish intertidally. Vis. good Stream low (F)
Sept. 12, 1966	1,700	200		4,000 fish intertidally. Vis. good but poor at mouth (F)
Sept. 20, 1967	1,000	500		Vis. good. Had 1,800 fish inter- tidally on Aug. 23, 1967 (F)
Aug. 26, 1968	300	few		9,000 fish intertidally. Vis. fair (A)
Sept. 18, 1968		2,000		Vis. fair (A)
Sept. 16, 1969	37,000	1,500		3,000 fish intertidally. Lots of dead fish (F)
Aug. 26, 1970	7,400			8,000 fish present intertidally. Vis. good (A)
Sept. 16, 1971	10,000			63,000 fish in intertidal zone. 12,000 fish above survey area. 50 above falls spawning throughout, about 1,000 carcasses (H)

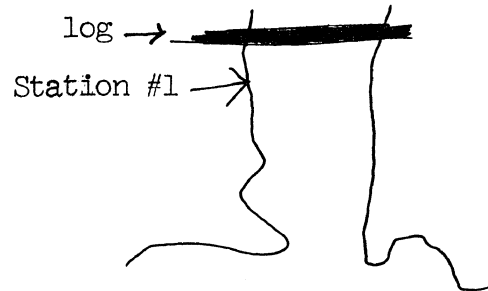
PEAK ESCAPEMENT RECORD

NAME: Sunny Creek

STREAM CATALOG NUMBER: 102-40-87

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 5, 1972	----14,100----			Vis. good (H)
Sept. 12, 1972			28 coho	Vis. very good (F)
Aug. 19, 1973	4,000			14,000 fish intertidally. Vis. good (H)
Aug. 23, 1974	----18,000----			Good show of jumps off mouth. Few schools in bay. Vis. fair. (A)

102-40-88
#114
Westlund
10-11-73



Large boulders in stream entrance. Stream wide and very shallow.
Bed is of large rocks with some gravel. Stream dark, no fish
observed.

Available spawning area - 390 M²

Scale 1:63,360



STREAM INV. STORY FORM

Observers: Westlund - Joyner
Date: 10-6-73
Temperature: _____
Weather: Partly cloudy - show

Name: _____
Number: 102-40-88

[illegible]

Mineral Remarks (rehab., land use, barriers, log jams, etc.):

PEAK ESCAPEMENT RECORD

NAME: Cholmondeley Sound, 0.8 mile E. of entrance to Sunny Cove

STREAM CATALOG NUMBER: 102-40-88

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 24, 1940	4,000			Good (G)
Oct. 5, 1947				Good escapement of chum and pink (G)
Sept. 20, 1953				No fish (G)

- 152 -

102-40-88A
#112
10-11-73
Westlund

Small steep stream 3' wide. Large rocks with no gravel.
Barrier falls about 20' above high tide.

Available spawning area - 3 M²

102-40-88B
#113
Westlund
10-11-73

Muskeg stream. 35' wide and about 3 or 4" deep. Rocks with some gravel. A small muskeg pond about 100 yards above high tide mark. 4 pink carcasses and 1 live fish in stream.

Available spawning area - 585 M²

#115

102-40-89

Westlund

10-12-73

Very small stream drains Lake Clams. In tidal area
small grass flat - 2 barrier cascades about 10 and
20 feet above high tide. Stream is 3' wide and
4-6" deep.

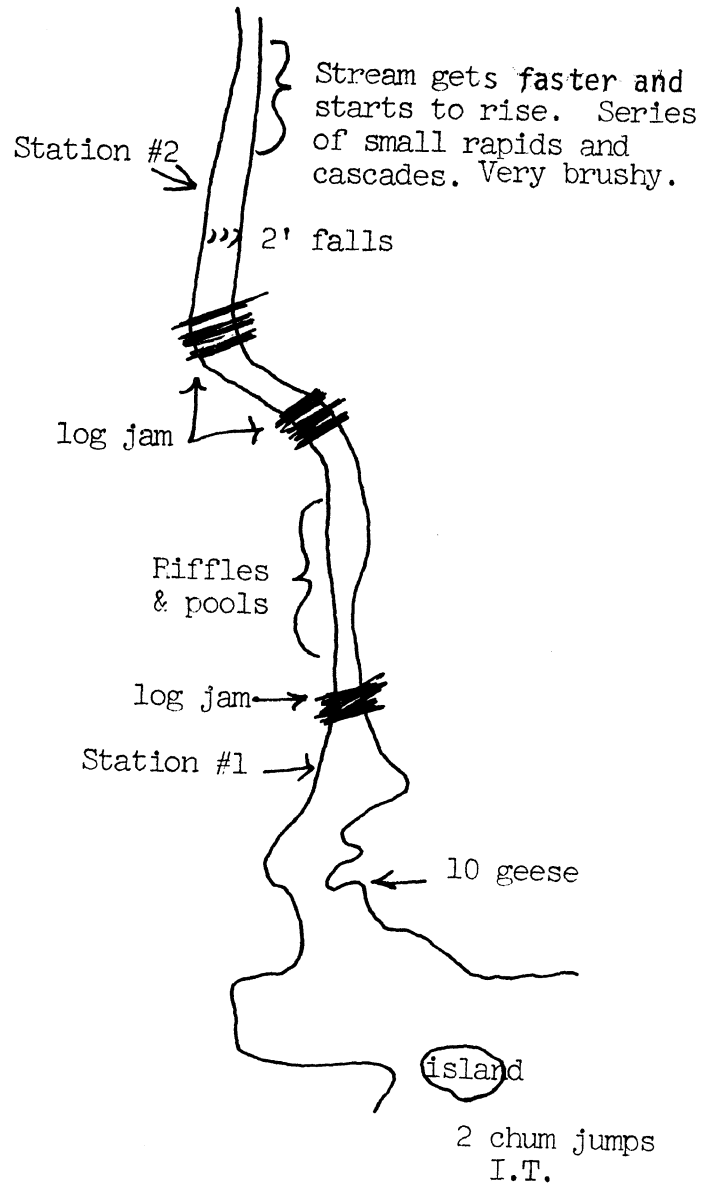
102-40-91

10-12-73

Westlund

Shallow, wide stream. Banks
end away from stream proper.
Gradual slopes - lots of
blowdown. No fish in stream,
but 50 pink and chum carcasses
near mouth. Stream has been
beach logged.

Larger gravel but still
good spawning.



Name _____ Catalog No. 102-40-91
Latitude 55° 15' 11" WR No. _____
Longitude 132° 08' 37" K No. _____
Geodetic Map No. Craig - B-1 Work Area _____
Location No. Shore near entr. to Chol. Sd. Watershed Length 1.4 miles
Drainage Area of Watershed 1.49 sq. miles
Water Supply Type Lake

Trails & Survey Routes None - walk bank on left and then walk stream bed.

Aerial Survey Notes Stream has brush on both sides and water is dark.

Anchorage For small boat, in cove that stream enters.

Tide Stage When Surveyed low - flooding

FISHERY RESOURCES

Commercial Fisheries chum, pink.

Escapement 10-11-73 - small school chum off mouth. 50 pink and chum dead in stream. No past records. Available spawning area - 1,254 M²

Species Composition Not known.

Timing Not known - probably middle to late.

Schooling areas In cove off stream mouth.

Shellfish Potential Very little

Sport Fisheries None known

Land Use at Present None

History of Land Use Stream and banks were beach logged in past.

Rehabilitation Potential Log jams could be removed, but stream is not a very important one.

Soils _____

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	20
	Number of droppings	0
Geese -----	Number seen on tide flats	10
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	2 indiv.
Bald Eagles--	Number seen along creek	1
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	50 yds
	Estimate depth out from beach	0
	Eel grass present on what percent of flats	0

Observers: Westlund - Joyner
Date: 10-6-73

Temperature:

Weather: Partly cloudy-showers

[illegible]

General Remarks (rehab., land use, barriers, log jams, etc.):

102-40-93
Westlund
10-12-73

No water.

#118
102-40-95
Westlund
10-12-73

Stream is 3' wide and 2" deep. Log jam barrier 10 feet
above high tide. No fish observed - no carcasses.

ACKNOWLEDGMENTS

Gerry Downey, Pink Salmon Research, provided much of the foot work during field surveys. The catalog library was kept current with the assistance of Sharon Peterson and Karen Crandall. Thanks is also extended to G.L. Finger, June Grant and J.C. McMullen for their assistance in publication and planning.

3033

**LIBRARY
HABITAT DIVISION
ALASKA DEPT. OF FISH & GAME
333 Raspberry Road
Anchorage, Alaska 99518**

HABITAT CDM PROJECT
12- WEDMOND
ANCHORAGE, ALASKA 99502